25HCR3C
Comfort™ 13 Series Coastal Heat Pump with R–22 Refrigerant 1–1/2 to 5 Nominal Tons (Size 18 To 60)

Carrier
Turn to the Experts.℠

Product Data



WeatherShield™ Comfort™ SERIES

INDUSTRY LEADING FEATURES / BENEFITS

EFFICIENCY

- 13 SEER/ 10.8 EER / 8.0 - 8.5 HSPF (nominal)
- Microtube Technology™ refrigeration system
- Indoor air quality accessories available

SOUND

- Sound level as low as 71 dBA
- Compressor sound blanket

COMFORT

- System supports Thermidistat™ or standard thermostat controls

RELIABILITY

- Armor Plate™ coil fin corrosion protection
- Front-seating service valves
- Scroll compressor
- Internal pressure relief valve
- Internal thermal overload
- High and Low pressure switch
- Filter drier
- Balanced refrigeration system for maximum reliability

DURABILITY

WeatherArmor™ protection package:

- Solid, durable sheet metal construction
- Louvered coil guard
- Baked-on, complete coverage, powder paint

APPLICATIONS

- Long-line - up to 250 feet (76.20 m) total equivalent length, up to 200 feet (60.96 m) condenser above evaporator, or up to 60 ft. (18.29 m) evaporator above condenser (See Longline Guide for more information.)
- Low ambient (down to -20°F/-28.9°C) with accessory kit

WARRANTY

- 10 year limited compressor warranty / 5 yr parts

MODEL NUMBER NOMENCLATURE

1	2	3	4	5	6	7	8	9	10	11	12	13
N	N	A	A	A/N	N	N	N	A/N	A/N	A/N	N	N
2	**5**	**H**	**C**	**R**	**3**	**3**	**6**	**C**	**0**	**0**	**3**	0
Product Series		Product Family	Tier	Major Series	SEER	Cooling Capacity		Variations	Open	Open	Voltage	Minor Series
25 = HP		H = RES HP	C=Comfort	R = R−22	3=13 SEER			C = Coastal	0=Not Defined	0=Not Defined	3=208/230−1	0, 1, 2...

ISO 9001:2000

This product has been designed and manufactured to meet Energy Star® criteria for energy efficiency when matched with appropriate coil components. However, proper refrigerant charge and proper air flow are critical to achieve rated capacity and efficiency. Installation of this product should follow all manufacturing refrigerant charging and air flow instructions. **Failure to confirm proper charge and air flow may reduce energy efficiency and shorten equipment life.**

STANDARD FEATURES

Feature	18−30	24−30	30−30	36−30	48−30	60−30
13 SEER	X	X	X	X	X	X
Scroll Compressor	X	X	X	X	X	X
Louvered Coil Guard	X	X	X	X	X	X
Field Installed Filter Drier	X	X	X	X	X	X
Front Seating Service Valves	X	X	X	X	X	X
Internal Pressure Relief Valve	X	X	X	X	X	X
Internal Thermal Overload	X	X	X	X	X	X
Long Line capability	X	X	X	X	X	X
Low Ambient capability with Kit	X	X	X	X	X	X
High Pressure Switch	X	X	X	X	X	X
Loss of Charge Pressure Switch	X	X	X	X	X	X
ArmorPlate™ Condenser Coil Protection	X	X	X	X	X	X
Accumulator	X	X	X	X	X	X

PHYSICAL DATA

UNIT SIZE−SERIES, VOLTAGE	18−30	24−30	30−30	36−30	42−30	48−30	60−30
Operating Weight lb (kg)	207 (93.9)	204 (92.5)	211 (95.7)	252 (114.3)	239 (108.4)	314 (142.4)	361 (163.8)
Shipping Weight lb (kg)	218 (98.9)	236 (107.1)	222 (100.7)	287 (130.2)	250 (113.4)	348 (157.9)	395 (179.2)
Compressor Type	Scroll						
REFRIGERANT	Freon® (R−22)						
Control	TXV (R−22 Hard Shutoff)						
Charge lb (kg)	7 (3.2)	7 (3.2)	6.8 (3.1)	8.1 (3.7)	9.5 (4.3)	13.5 (6.1)	16.5 (7.5)
COND FAN							
Air Discharge	Vertical						
Air Qty (CFM)	2233	2614	3167	3334	3334	4046	4046
Motor HP	1/12	1/10	1/5	1/8	1/8	1/4	1/4
Motor RPM	800	800	800	800	800	800	800
COND COIL							
Face Area (Sq ft)	19.4	21.56	19.40	25.15	17.60	25.15	30.18
Fins per In.	20	20	20	20	20	20	20
Rows	1	1	1	1	2	2	2
Circuits	5	6	6	6	8	8	11
VALVE CONNECT. (In.) ID							
Vapor	5/8”	5/8”	3/4”	3/4”	7/8”	7/8”	7/8”
Liquid	3/8”						
REFRIGERANT TUBES* (in.)OD							
Vapor (0−80 Ft Tube Length)	5/8”	5/8”	3/4”	3/4”	7/8”	7/8”	1−1/8
Liquid (0−80 Ft Tube Length)	3/8”						

* For tubing sets between 80 and 200 ft. horizontal or 20 ft. vertical differential, consult the Longline Guideline.

Note: See unit Installation Instruction for proper installation.

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VAPOR LINE SIZING AND COOLING CAPACITY LOSS 1-STAGE HEAT PUMP APPLICATIONS

LONG LINE APPLICATION: An application is considered ”Long line” when the total equivalent tubing length exceeds 80 ft. (24.38 m) or when there is more than 20 ft. (6.09 m) vertical separation between indoor and outdoor units. These applications require additional accessories and system modifications for reliable system operation. The maximum allowable total equivalent length is 250 ft. (76.2 m). The maximum vertical separation is 200 ft. (60.96 m) when outdoor unit is above indoor unit, and 60 ft. (18.29 m) when the outdoor unit is below the indoor unit. Refer to Accessory Usage Guideline below for required accessories. See Longline Application Guideline for required piping and system modifications. Also, refer to the table below for the acceptable vapor tube diameters based on the total length to minimize the cooling capacity loss.

Unit Nominal Size (Btuh)	Acceptable Vapor Line Diameters (In.) OD	Cooling Capacity Loss (%) Total Equivalent Line Length ft. (m)										
		Standard Application			Long Line Application Requires Accessories							
		25 (7.62)	50 (15.24)	80 (24.38)	80+ (24.38+)	100 (30.48)	125 (38.10)	150 (45.72)	175 (53.34)	200 (60.96)	225 (68.58)	250 (76.2)
18,000 R−22 HP	5/8	0	1	1	1	2	3	3	4	5	5	6
	3/4	0	0	0	0	0	1	1	1	1	2	2
24,000 R−22 HP	5/8	0	1	3	3	3	5	6	7	8	9	10
	3/4	0	0	0	0	1	1	1	2	2	3	3
	7/8	0	0	0	0	0	0	0	0	1	1	1
30,000 R−22 HP	5/8	1	3	5	5	6	8	10	11	13	15	17
	3/4	0	1	1	1	2	3	3	4	5	5	6
	7/8	0	0	0	0	1	1	1	2	2	2	3
36,000 R−22 HP	3/4	0	1	2	2	3	4	5	6	7	8	9
	7/8	0	0	1	1	1	2	2	3	3	4	4
42,000 R−22 HP	3/4	1	2	3	3	4	5	7	8	9	10	11
	7/8	0	1	1	1	2	2	3	4	4	5	5
48,000 R−22 HP	3/4	1	2	4	4	5	7	8	10	11	13	14
	7/8	0	1	2	2	2	3	4	5	5	6	7
	1−1/8	0	0	0	0	0	0	1	1	1	1	1
60,000 R−22 HP	7/8	1	2	3	3	4	5	7	8	9	10	11
	1−1/8	0	0	1	1	1	1	2	2	2	3	3

Standard Length = 80 ft. (24.38 m) or less total equivalent length

Applications in this area are long line. Accessories are required as shown recommended on Long Line Application Guidelines

Applications in this area may have height restrictions that limit allowable total equivalent length, when outdoor unit is below indoor unit See Long Line Application Guidelines

ACCESSORY THERMOSTATS

THERMOSTAT / SUBBASE PKG.	DESCRIPTION
TSTATCCPRH01–B*	Thermidistat™ Control — Non–Programmable/Programmable Thermostat with Humidity Control (For use in Dual Fuel, AC, HP, and 2S applications. Includes Outdoor Air Temperature Sensor.)
TSTATCCPHH01–B*	HybridHeat™ (Dual Fuel) Thermostat — Auto Changeover, 7–Day Programmable, °F/°C, Includes Outdoor Sensor (TSTATXXSEN01–B)
TSTATCCPHP01–B	Thermostat — Auto Changeover, 7–Day Programmable, °F/°C, 2–Stage Heat, 1–Stage Cool
TSTATCCNHP01–C	Thermostat — Auto Changeover, Non–Programmable, °F/°C, 2–Stage Heat, 1–Stage Cool
TSTATCCSHP01	Standard Programmable Thermostat—Manual Changeover, 5–2 Day Programmable, °F/°C, 1–Stage Heat/ 1–Stage Cool
TSTATCCBHP01*–B	Builder's Thermostat — Heat Pump, Non–Programmable, °F/°C, 2–Stage Heat, 1–Stage Cool, Manual Changeover
TSTATXXSEN01–B**	Outdoor Air Temperature Sensor
TSTATXXNBP01	Backplate for Non–Programmable Thermostat
TSTATXXPBP01	Backplate for Programmable Thermostat and Thermidistat™ Control
TSTATXXSBP01	Backplate for Standard Programmable Thermostat
TSTATXXBBP01	Backplate for Builder's Thermostat
TSTATXXCNV10†	Thermostat Conversion Kit (4 to 5 Wire) — 10 Pack
TP–PRH–01	Performance Series Programmable Thermidistat
TP–NRH–01	Performance Series Non–programmable Thermidistat
TP–PHP–01	Performance Series Programmable HP Stat
TP–NHP–01	Performance Series Non–programmable HP Stat
TC–PHP–01	Comfort Series Programmable HP Stat
TC–NHP–01	Comfort Series Non–programmable HP Stat
TB–PHP–01	Base Series Programmable HP Stat
TB–NHP–01	Base Series Non–programmable HP Stat

* Do not use in zoning heat pump applications.

** Outdoor temperature sensor is an accessory for all Carrier electronic thermostats, except the non–programmable air conditioner version and builder;s thermostats. It allows the temperature at a remote location (outdoors) to be displayed on the thermostat. The outdoor air temperature sensor must be used with the HybridHeat™ (dual fuel) thermostat.

† Thermostat conversion kit is a 24–vac accessory that can turn a 4–wire thermostat application into a 5–wire application. This kit can also be used to replace a broken thermostat wire, or add an extra wire when needed.

The outdoor air temperature sensor is included with the Thermidistat Control and HybridHeat™ (dual fuel) thermostat.

ACCESSORIES

ORDER NUMBER	DESCRIPTION	18–30	24–30	30–30	36–30	42–30	48–30	60–30
HC32GE229	BALL BEARING MOTOR	X						
HC34GE242	BALL BEARING MOTOR		X					
HC36GE232	BALL BEARING MOTOR				X	X		
HC38GE228	BALL BEARING MOTOR			X				
HC40GE228	BALL BEARING MOTOR						X	X
KAACH1201AAA	CRANKCASE HTR				X		S	S
KAACH1401AAA	CRANKCASE HTR		X					
KAACH1601AAA	CRANKCASE HTR			X		X		
KAACH1701AAA	CRANKCASE HTR	X	X					
KAAFT0101AAA	FREEZE THERMOSTAT	X	X	X	X	X	X	X
KSAHS1501AAA	HARD START	X	X	X	X	X	X	
KSAHS1601AAA	HARD START							X
KHAIR0101AAA	ISOLATION RELAY	X	X	X	X	X	X	X
KSACY0101AAA	CYCLE PROTECTOR	X	X	X	X	X	X	X
KSALA0201R22	LOW AMBIENT	X	X	X	X	X	X	X
KSALA0601AAA	MOTORMASTER 230V	X	X	X	X	X	X	X
KHAOT0201SEC	OUTDOOR THERMOSTAT	X	X	X	X	X	X	X
KHAOT0301FST	OUTDOOR THERMOSTAT	X	X	X	X	X	X	X
KHASS0606MPK	SNOW STAND	X	X	X	X	X	X	X
KHALS0401LLS	SOLENOID VALVE	X	X	X	X	X	X	X
KAACS0201PTC	START ASSIST PTC	X	X	X	X	X	X	X
KSASF0101AAA	SUPPORT FEET	X	X	X	X	X	X	X
KAATD0101TDR	TIME DELAY	X	X	X	X	X	X	X
KSATX0601HSO	TXV	X	X	X	X	X		
KSATX0701HSO	TXV						X	
KSATX1001HSO	TXV							X

X = Accessory S = Standard

ACCESSORY USAGE GUIDELINE

Accessory	REQUIRED FOR LOW−AMBIENT APPLICATIONS (Below 55° F / 12.78° C)	REQUIRED FOR LONG LINE APPLICATIONS* (Over 80 Ft. / 24.38 m)	REQUIRED FOR SEA COAST APPLICATIONS (Within 2 miles / 3.22 km)
Ball Bearing Fan Motor	Yes†	No	No
Compressor Start Assist Capacitor and Relay	Yes†	Yes	No
Crankcase Heater	Yes†	Yes	No
Evaporator Freeze Thermostat	Yes†	No	No
Isolation Relay	Yes†	No	No
Liquid Line Solenoid Valve	No	See Long Line Application Guideline	No
Motor Master® Control or Low−ambient Pressure Switch	Yes†	No	No
Support Feet	Recommended	No	Recommended

* For tubing line sets between 80 and 200 ft. (24.38 and 60.96 m) and/or 20 ft. vertical (6.09 m) differential, refer to Residential Split System Long Line Application Guideline.

† Required for Low−Ambient Controller MotorMaster® Control only.

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Accessory Description and Usage (Listed Alphabetically)

1. Ball-Bearing Fan Motor

A fan motor with ball bearings which permits speed reduction while maintaining bearing lubrication.

Usage Guideline:

Required on all units when MotorMaster® is used.

2. Compressor Start Assist - Capacitor and Relay

Start capacitor and relay gives a ”hard” boost to compressor motor at each start up.

Usage Guideline:

Required for reciprocating compressors in the following applications:

Long line

Low ambient cooling

Hard shut off expansion valve on indoor coil

Liquid line solenoid on indoor coil

Required for single-phase scroll compressors in the following applications:

Long line

Low ambient cooling

Suggested for all compressors in areas with a history of low voltage problems.

3. Compressor Start Assist — PTC Type

Solid state electrical device which gives a ”soft” boost to the compressor at each start-up.

Usage Guideline:

Suggested in installations with marginal power supply.

4. Crankcase Heater

An electric resistance heater which mounts to the base of the compressor to keep the lubricant warm during off cycles. Improves compressor lubrication on restart and minimizes the chance of liquid slugging.

Usage Guideline:

Required in low ambient cooling applications.

Required in long line applications.

Suggested in all commercial applications.

5. Cycle Protector

The cycle protector is designed to prevent compressor short cycling. This control provides an approximate 5-minute delay after power to the compressor has been interrupted for any reason, including power outage, protector control trip, thermostat jiggling, or normal cycling.

6. Evaporator Freeze Thermostat

An SPST temperature-actuated switch that stops unit operation when evaporator reaches freeze-up conditions.

Usage Guideline:

Required when low ambient kit has been added.

7. High Pressure Switch

A high pressure switch that protects unit against excessive pressure.

Usage Guideline:

Required in all heat pumps operated in dual fuel applications.

8. Isolation Relay

An SPDT relay which switches the low-ambient controller out of the outdoor fan motor circuit when the heat pump switches to heating mode.

Usage Guideline:

Required in all heat pumps where low ambient kit has been added.

9. Liquid-Line Solenoid Valve (LLS)

An electrically operated shutoff valve which stops and starts refrigerant liquid flow in response to compressor operation. It is to be installed at the outdoor unit to control refrigerant off cycle migration in the heating mode.

Usage Guideline:

An LLS is required in all long line heat pump applications to control refrigerant off cycle migration in the heating mode. See Long Line Guideline.

10. Low-Ambient Pressure Switch Kit

A long life pressure switch which is mounted to outdoor unit service valve. It is designed to cycle the outdoor fan motor in order to maintain head pressure within normal operating limits (approximately 100 psig to 225 psig). The control will maintain working head pressure at low-ambient temperatures down to 0°F/-17.78°C when properly installed.

Usage Guideline:

A Low-Ambient Pressure Switch or MotorMaster® Low-Ambient Controller must be used when cooling operation is used at outdoor temperatures below 55°F (12.8°C).

11. MotorMaster® Low-Ambient Controller

A fan-speed control device activated by a temperature sensor, designed to control condenser fan motor speed in response to the saturated, condensing temperature during operation in cooling mode only. For outdoor temperatures down to -20°F (-28.9°C), it maintains condensing temperature at 100°F ±10°F (37.8°C ± 5.5°C).

Usage Guideline:

A MotorMaster® Low Ambient Controller or Low-Ambient Pressure Switch must be used when cooling operation is used at outdoor temperatures below 55°F (12.8°C).

Suggested for all commercial applications.

12. Outdoor Air Temperature Sensor

Designed for use with Carrier Thermostats listed in this publication. This device enables the thermostat to display the outdoor temperature. This device also is required to enable special thermostat features such as auxiliary heat lock out.

Usage Guideline:

Suggested for all Carrier thermostats listed in this publication.

13. Outdoor Thermostat

An SPDT temperature-actuated switch which turns on supplemental electric heaters when outdoor air temperature drops below a user-selected set point.

Usage Guideline:

Electric supplemental heat applications in non-variable speed indoor units when electric heat staging is desired.

Usage Guideline:

Some local codes may require limiting the heating head pressure in the vapor line in some applications.

14. Secondary Outdoor Thermostat

An SPDT temperature-actuated switch which turns on third-stage of supplemental electric heaters when outdoor air temperature drops below the second-stage set point.

Usage Guideline:

Outdoor thermostat applications where electric heater is capable of 3-stage operation.

15. Snow Stand

Coated wire rack which supports unit 18 in. (457.2 mm) above mounting pad to allow for drainage from unit base.

Usage Guideline:

Suggested in the following applications:

Heat pump installations in heavy snowfall areas.

Heat pump installations in snow drift locations.

Heat pump installations in areas of prolonged subfreezing temperatures.

All commercial installations.

16. Sound Hood

Wraparound sound reducing cover for the compressor. Reduces the sound level up to 2 dBA.

Usage Guideline:

Suggested when unit is installed closer than 15 ft (4.57 m) to quiet areas, bedrooms, etc.

Suggested when unit is installed between two houses less than 10 ft (3.05 m) apart.

Usage Guideline:

Suggested in the following applications:

Heat pump installations in heavy snowfall areas.

Heat pump installations in snowdrift locations.

Heat pump installations in areas of prolonged subfreezing temperatures.

All commercial installations.

17. Thermostatic Expansion Valve (TXV) Bi-Flow

A modulating flow-control valve which meters refrigerant liquid flow rate into the evaporator in response to the superheat of the refrigerant gas leaving the evaporator.

Usage Guideline:

Required in all heat pump applications

18. Time-Delay Relay

An SPST delay relay which briefly continues operation of indoor blower motor to provide additional cooling after the compressor cycles off.

Note: Most indoor unit controls include this feature. For those that do not, use the guideline below.

Usage Guideline:

Accessory required to meet ARI rating, where indoor not equipped.

ELECTRICAL DATA

UNIT SIZE	V/PH	OPER VOLTS*		COMPR		FAN	MCA	MIN WIRE SIZE†	MIN WIRE SIZE†	MAX LENGTH ft.(m)‡	MAX LENGTH ft.(m)‡	MAX FUSE** or BRK AMPS
		MAX	MIN	LRA	RLA	FLA		60° C	75° C	60° C	75° C	
18	208/230/1–60	253	197	41	9.8	0.5	12.7	14	14	124 (37.80)	118 (35.97)	20
24				54	15.13	0.7	19.6	14	14	80 (23.16)	76 (23.16)	30
30				72.5	13.50	1.2	18.6	14	14	85 (25.91)	81 (24.69)	30
36				88	18.68	0.9	24.2	12	12	103 (31.39)	98 (29.87)	40
42				104	17.90	0.9	24.0	12	12	104 (31.70)	99 (30.18)	40
48				137	22.22	1.2	29.0	10	10	138 (42.06)	131 (39.93)	50
60				148	28.85	1.2	37.3	8	8	167 (50.90)	159 (48.46)	60

* Permissible limits of the voltage range at which the unit will operate satisfactorily

† If wire is applied at ambient greater than 30° C, consult table 310–16 of the NEC (ANSI/NFPA 70). The ampacity of non–metallic–sheathed cable (NM), trade name ROMEX, shall be that of 60° C conditions, per the NEC (ANSI/NFPA 70) Article 336–26. If other than uncoated (no–plated), 60 or 75° C insulation, copper wire (solid wire for 10 AWG or smaller, stranded wire for larger than 10 AWG) is used, consult applicable tables of the NEC (ANSI/NFPA 70).

‡ Length shown is as measured 1 way along wire path between unit and service panel for voltage drop not to exceed 2%.

** Time–Delay fuse.

FLA – Full Load Amps

LRA – Locked Rotor Amps

MCA – Minimum Circuit Amps

RLA – Rated Load Amps

NOTE: Control circuit is 24–V on all units and requires external power source. Copper wire must be used from service disconnect to unit. All motors/compressors contain internal overload protection.

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A-WEIGHTED SOUND LEVEL (dBA)

UNIT SIZE	STANDARD RATING (dB)	TYPICAL OCTAVE BAND SPECTRUM (dB, without tone adjustment)						
		125	250	500	1000	2000	4000	8000
18	71	55	58	64.5	65	64.5	63	55.5
24	74	57.0	62.5	68.5	69.5	67.5	63.0	55.0
30	73	58.0	66.0	66.0	67.5	64.5	61.0	54.5
36	74	53.5	65.5	64.5	68.5	66.0	62.0	54.5
42	74	59.0	62.0	66.0	69.0	65.0	60.0	51.5
48	75	54.5	61.0	66.0	71.0	65.5	62.0	56.5
60	75	56.5	66.5	67.5	69.5	67.5	63.5	56.5

CHARGING SUBCOOLING (TXV-TYPE EXPANSION DEVICE)

UNIT SIZE–SERIES	REQUIRED SUBCOOLING °F (°C)	Heating Piston Size
18	10 (5.6)	42
24	10 (5.6)	52
30	10 (5.6)	57
36	10 (5.6)	57
42	10 (5.6)	67
48	9 (5.0)	67
60	10 (5.6)	78

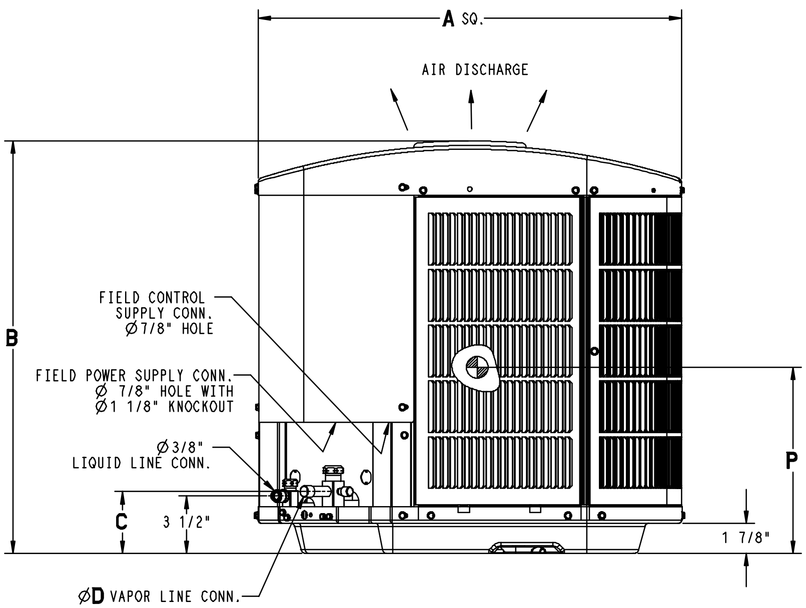
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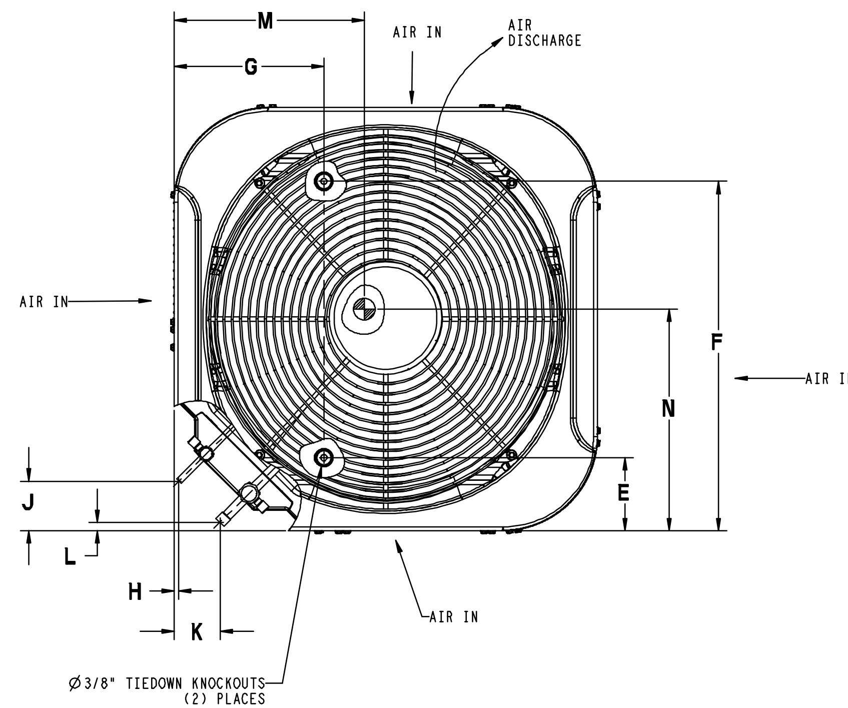
UNIT	SERIES	ELECTRICAL CHARACTERISTICS 208-230-1-60	230-1-60	208/230-3-60	460-3-60	A	B	C	D	E	F	G	H	J	K	L	M	N	P	OPERATING WEIGHT	SHIPPING WEIGHT	SHIPPING DIMENSIONS (L x W x H)
25HCR318	0	X	0	0	0	31 3/16"	35 3/4"	3 3/4"	5/8"	6 9/16"	24 11/16"	9 1/8"	1 1/8"	3 13/16"	2 13/16"	1/2"	14 1/2"	14 5/8"	16 1/4"	207#	218#	32 3/8" X 35 1/2" X 39 3/8"
25HCR324	0	X	0	0	0	31 3/16"	39 1/8"	3 3/4"	5/8"	6 9/16"	24 11/16"	9 1/8"	1 1/8"	3 13/16"	2 13/16"	1/2"	16"	15 1/4"	17 3/4"	204#	236#	32 3/8" X 35 1/2" X 42 3/4"
25HCR330	0	X	0	0	0	31 3/16"	35 3/4"	3 3/4"	3/4"	6 9/16"	24 11/16"	9 1/8"	1 1/8"	3 13/16"	2 13/16"	1/2"	15"	15 1/4"	15 1/8"	211#	222#	32 3/8" X 35 1/2" X 39 3/8"
25HCR336	0	X	0	0	0	35"	39 1/8"	3 3/4"	3/4"	6 9/16"	24 11/16"	9 1/8"	1 1/8"	3 13/16"	2 13/16"	1/2"	17 1/4"	17 1/4"	18 1/2"	252#	287#	36 1/8" X 39 5/16" X 42 3/4"
25HCR342	0	X	0	0	0	35"	28 15/16"	3 7/8"	7/8"	6 9/16"	28 7/16"	9 1/8"	1 1/8"	3 13/16"	2 15/16"	5/8"	16 3/4"	16 3/4"	13"	239#	250#	36 1/8" X 39 5/16" X 32 9/16"
25HCR348	0	X	0	0	0	35"	39 1/8"	3 7/8"	7/8"	6 9/16"	28 7/16"	9 1/8"	1 1/8"	3 13/16"	2 15/16"	5/8"	18"	18"	17 1/2"	314#	348#	36 1/8" X 39 5/16" X 42 3/4"
25HCR360	0	X	0	0	0	35"	45 15/16"	3 7/8"	7/8"	6 9/16"	28 7/16"	9 1/8"	1 1/8"	3 13/16"	2 15/16"	5/8"	16"	17 1/4"	17 1/2"	361#	395#	36 1/8" X 39 5/16" X 49 9/16"

X = YES
0 = NO

NOTES:

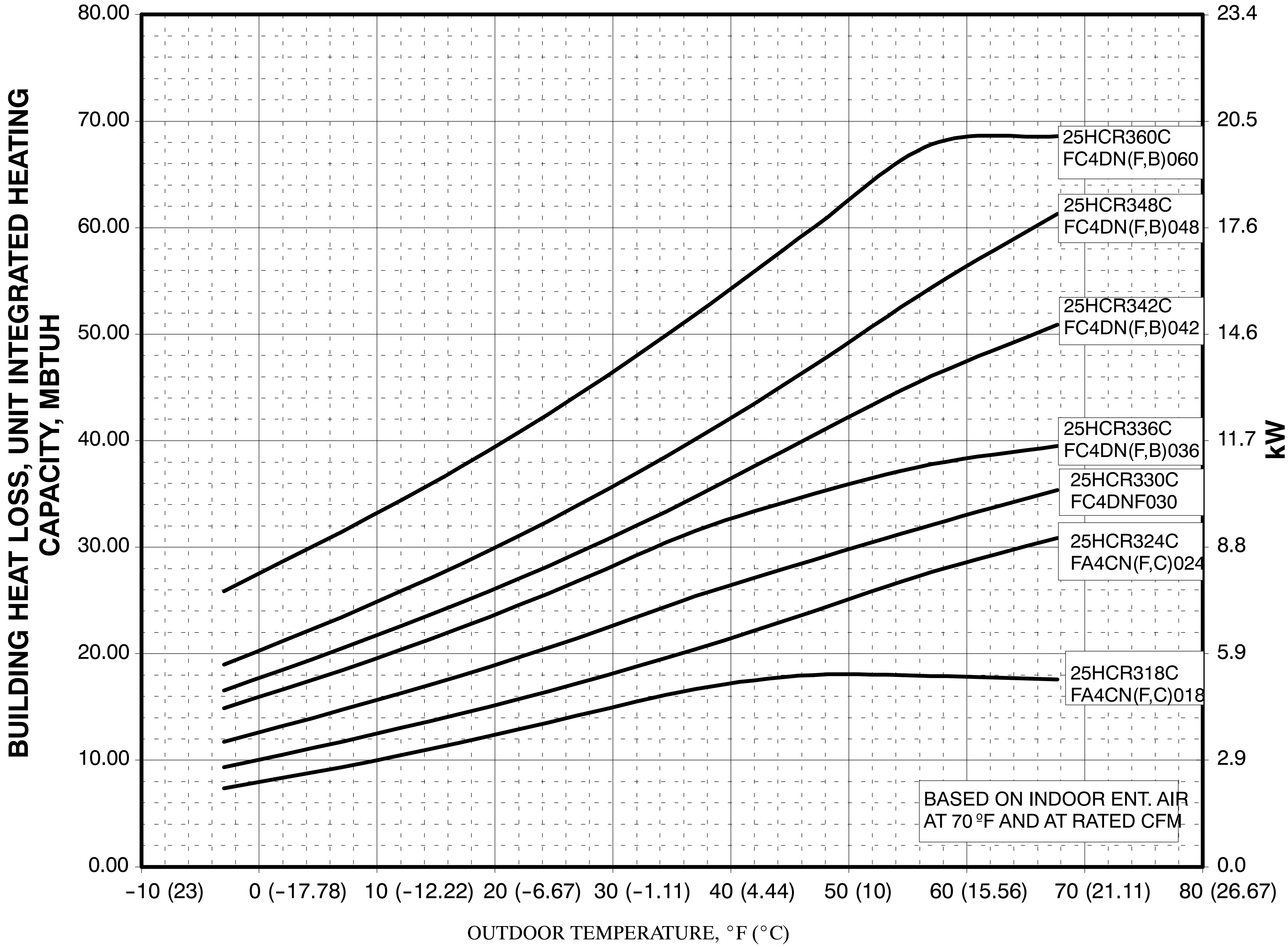
1. ALLOW 30" CLEARANCE TO SERVICE SIDE OF UNIT, 48" ABOVE UNIT, 6" ON ONE SIDE, 12" ON REMAINING SIDE, AND 24" BETWEEN UNITS FOR PROPER AIRFLOW.
2. MINIMUM OUTDOOR OPERATING AMBIENT IN COOLING MODE IS 55°F, MAX. 125°F.
3. SERIES DESIGNATION IS THE 13TH POSITION OF THE UNIT MODEL NUMBER.
4. CENTER OF GRAVITY ⊕.





UNIT SIZE	MINIMUM MOUNTING PAD DIMENSIONS
-	26" X 26"
18,24,30	31 1/2" X 31 1/2"
36,42,48,60	35" X 35"

25HCR3C BALANCE POINT WORKSHEET



25HCR3C

COMBINATION RATINGS

Unit Size – Voltage, Series	Indoor Model	Cooling Capa-city	ARI Standard Ratings									
			Cooling				Heating					
							High Temp		Low Temp			
			Factory Enhance	Standard Rating	SEER TDR	EER	E Capacity	E COP	H Capacity	H COP	HSPF	Furnace Model
	*FA4CN(F,C)018	17,000	TDR&TXV	13.00		10.80	18,000	3.40	10,500	2.30	7.7	
	FA4CN(F,C)024	17,000	TDR&TXV	13.00		10.80	17,300	3.30	10,600	2.28	7.7	
	FC4DNF018	17,300	TDR&TXV	14.50		12.00	17,600	3.62	10,100	2.46	8.2	
	FC4DNF024	17,500	TDR&TXV	14.50		12.50	16,800	3.58	10,100	2.48	8.2	
	FF1ENE018	16,900	TDR&TXV	13.00		10.80	18,000	3.40	10,500	2.28	7.7	
	FF1ENE024	17,100	TDR&TXV	13.00		10.80	17,100	3.36	10,500	2.32	7.7	
	FK4DNF001	17,300	TDR&TXV	15.00		12.50	16,400	3.52	9,900	2.46	8.2	
	FK4DNF002	17,500	TDR&TXV	15.00		12.50	16,400	3.64	9,900	2.50	8.4	
	CAR**1814A**	16,700	TDR&TXV	14.50		12.00	17,400	3.38	9,900	2.38	7.7	58CV(A,X)070–12
	CAR**2414A**	17,100	TDR&TXV	14.50		12.50	17,100	3.56	9,900	2.44	8.0	58CV(A,X)070–12
	CAR**2414A**	17,200	TXV		13.00	10.80	17,200	3.38	10,500	2.32	7.7	
	CAR**2417A**	17,200	TDR&TXV	14.50		12.50	17,100	3.58	9,900	2.46	8.2	58CV(A,X)090–16
	CAR**2417A**	17,200	TDR&TXV	14.50		12.50	17,100	3.56	9,900	2.44	8.2	58MVB060–14
	CAR**2417A**	17,200	TDR&TXV	14.50		12.50	17,100	3.56	9,900	2.44	8.2	58UVB060–14
	CAR**2417A**	17,200	TXV		13.00	10.80	17,200	3.38	10,500	2.32	7.7	
	CNRF*2418A**	17,300	TXV		13.20	11.00	17,400	3.46	10,600	2.34	7.7	
	CNRH*2417A**	17,200	TDR&TXV	14.50		12.50	17,500	3.66	9,900	2.44	8.2	58CV(A,X)070–12
18–30	CNRH*2417A**	17,300	TDR&TXV	14.50		12.50	17,400	3.68	10,000	2.46	8.2	58CV(A,X)090–16
	CNRH*2417A**	17,200	TDR&TXV	14.50		12.50	17,400	3.66	9,900	2.44	8.2	58MVB040–14
	CNRH*2417A**	17,200	TDR&TXV	14.50		12.50	17,500	3.68	9,900	2.44	8.2	58MVB060–14
	CNRH*2417A**	17,300	TDR&TXV	14.50		12.50	17,400	3.68	10,000	2.46	8.2	58MVB080–14
	CNRH*2417A**	17,300	TXV		13.20	11.00	17,400	3.46	10,600	2.34	7.7	
	CNRV*1814A**	17,100	TDR&TXV	14.50		12.00	17,700	3.58	9,900	2.42	8.0	58CV(A,X)070–12
	CNRV*1814A**	17,100	TXV		13.00	10.80	17,800	3.46	10,500	2.32	7.7	
	CNRV*2414A**	17,200	TDR&TXV	14.50		12.50	17,500	3.66	9,900	2.44	8.2	58CV(A,X)070–12
	CNRV*2414A**	17,300	TXV		13.20	11.00	17,400	3.46	10,600	2.34	7.7	
	CNRV*2417A**	17,300	TDR&TXV	14.50		12.50	17,400	3.68	10,000	2.46	8.2	58CV(A,X)090–16
	CNRV*2417A**	17,200	TDR&TXV	14.50		12.50	17,400	3.66	9,900	2.44	8.2	58MVB060–14
	CNRV*2417A**	17,200	TDR&TXV	14.50		12.50	17,400	3.66	9,900	2.44	8.2	58UVB060–14
	CNRV*2417A**	17,300	TXV	13.20		11.00	17,400	3.46	10,600	2.34	7.7	
	CSRH*2412A**	17,300	TDR&TXV	14.50		12.50	16,900	3.58	10,000	2.44	8.2	58CV(A,X)070–12
	CSRH*2412A**	17,400	TDR&TXV	14.50		12.50	16,800	3.58	10,000	2.44	8.2	58CV(A,X)090–16
	CSRH*2412A**	17,400	TDR&TXV	14.50		12.50	16,800	3.58	10,000	2.44	8.2	58MVB040–14
	CSRH*2412A**	17,400	TDR&TXV	14.50		12.50	16,800	3.58	10,000	2.44	8.2	58MVB060–14
	CSRH*2412A**	17,400	TDR&TXV	14.50		12.50	16,800	3.58	10,000	2.44	8.2	58MVB080–14
	CSRH*2412A**	17,400	TXV		13.20	11.00	16,100	3.32	10,600	2.34	7.7	
	*FA4CN(F,C)024	23,200	TDR&TXV	13.00		10.80	24,000	3.54	14,800	2.38	8.3	
	FA4CN(F,C)030	23,600	TDR&TXV	13.20		11.00	24,000	3.60	14,800	2.42	8.5	
	FC4DNF024	23,800	TDR&TXV	14.00		12.00	24,000	3.72	14,400	2.52	8.7	
	FC4DNF030	24,000	TDR&TXV	14.50		12.00	24,000	3.82	14,400	2.56	8.8	
	FF1ENE024	23,400	TDR&TXV	13.00		10.80	24,000	3.54	14,900	2.38	8.3	
	FF1ENE030	23,400	TDR&TXV	13.00		10.80	24,000	3.56	14,900	2.38	8.4	
	FK4DN(B,F)003	23,800	TDR&TXV	15.00		12.50	23,400	3.80	14,100	2.58	8.8	
	FK4DNF001	23,600	TDR&TXV	14.50		12.00	23,800	3.70	14,200	2.52	8.6	
	FK4DNF002	24,000	TDR&TXV	15.00		12.50	23,800	3.82	14,200	2.56	8.8	
	CAR**2414A**	23,400	TDR&TXV	14.50		11.70	23,800	3.66	14,200	2.50	8.6	58CV(A,X)070–12
	CAR**2414A**	23,400	TXV		13.00	10.80	24,000	3.60	14,900	2.40	8.5	
	CAR**2417A**	23,400	TDR&TXV	14.50		11.70	23,600	3.70	14,100	2.54	8.6	58CV(A,X)090–16
	CAR**2417A**	23,400	TDR&TXV	14.50		11.70	23,800	3.68	14,100	2.52	8.6	58MVB060–14
24–30	CAR**2417A**	23,400	TDR&TXV	14.50		11.70	23,800	3.68	14,100	2.52	8.6	58UVB060–14
	CAR**2417A**	23,400	TXV		13.00	10.80	24,000	3.60	14,900	2.40	8.5	
	CAR**3014A**	23,400	TDR&TXV	14.50		11.70	23,600	3.70	14,200	2.52	8.6	58CV(A,X)070–12
	CAR**3014A**	23,600	TXV		13.00	10.80	24,000	3.58	15,000	2.42	8.5	
	CAR**3017A**	23,600	TDR&TXV	14.50		11.70	23,600	3.74	14,100	2.54	8.7	58CV(A,X)090–16
	CAR**3017A**	23,600	TDR&TXV	14.50		11.70	23,600	3.72	14,100	2.54	8.7	58MVB060–14
	CAR**3017A**	23,600	TDR&TXV	14.50		11.70	23,600	3.72	14,100	2.54	8.7	58UVB060–14
	CAR**3017A**	23,600	TXV		13.00	10.80	24,000	3.58	15,000	2.42	8.5	
	CNRF*2418A**	23,400	TXV		13.00	10.80	24,000	3.68	15,000	2.42	8.6	
	CNRH*2417A**	23,400	TDR&TXV	14.50		11.70	23,800	3.72	14,200	2.52	8.7	58CV(A,X)070–12
	CNRH*2417A**	23,400	TDR&TXV	14.50		11.70	23,800	3.76	14,200	2.54	8.7	58CV(A,X)090–16
	CNRH*2417A**	23,400	TDR&TXV	14.50		11.70	23,800	3.74	14,200	2.52	8.7	58CV(A,X)110–20

See notes on page 16

COMBINATION RATINGS (CONT.)

Unit Size – Voltage, Series	Indoor Model	Cooling Capa-city	ARI Standard Ratings									Furnace Model
			Cooling				Heating					
			Factory Enhance	Standard Rating	SEER TDR	EER	High Temp E Capacity	High Temp E COP	Low Temp H Capacity	Low Temp H COP	HSPF	
24–30	CNRH*2417A**	23,400	TDR&TXV	14.50		11.70	23,800	3.76	14,200	2.52	8.7	58CV(A,X)135–22
	CNRH*2417A**	23,400	TDR&TXV	14.50		11.70	23,800	3.76	14,200	2.52	8.7	58CV(A,X)155–22
	CNRH*2417A**	23,400	TDR&TXV	14.50		11.70	23,800	3.74	14,200	2.52	8.7	58MVB040–14
	CNRH*2417A**	23,400	TDR&TXV	14.50		11.70	23,800	3.74	14,200	2.52	8.7	58MVB060–14
	CNRH*2417A**	23,400	TDR&TXV	14.50		11.70	23,800	3.74	14,200	2.52	8.7	58MVB080–14
	CNRH*2417A**	23,400	TDR&TXV	14.50		11.70	23,800	3.74	14,200	2.52	8.7	58MVB080–20
	CNRH*2417A**	23,400	TDR&TXV	14.50		11.70	23,800	3.76	14,200	2.52	8.7	58MVB100–20
	CNRH*2417A**	23,400	TDR&TXV	14.00		11.50	23,800	3.72	14,200	2.50	8.6	58MVB120–20
	CNRH*2417A**	23,400	TXV		13.00	10.80	24,000	3.68	15,000	2.42	8.6	
	CNRH*3017A**	23,600	TDR&TXV	14.50		11.70	23,600	3.72	14,100	2.54	8.7	58CV(A,X)070–12
	CNRH*3017A**	23,600	TDR&TXV	14.50		11.70	23,600	3.76	14,100	2.56	8.7	58CV(A,X)090–16
	CNRH*3017A**	23,600	TDR&TXV	14.20		11.70	23,600	3.74	14,200	2.54	8.7	58CV(A,X)110–20
	CNRH*3017A**	23,600	TDR&TXV	14.50		11.70	23,600	3.76	14,100	2.54	8.7	58CV(A,X)135–22
	CNRH*3017A**	23,600	TDR&TXV	14.50		11.70	23,600	3.76	14,100	2.56	8.8	58CV(A,X)155–22
	CNRH*3017A**	23,600	TDR&TXV	14.50		11.70	23,600	3.74	14,200	2.54	8.7	58MVB040–14
	CNRH*3017A**	23,600	TDR&TXV	14.50		11.70	23,600	3.72	14,100	2.54	8.7	58MVB060–14
	CNRH*3017A**	23,600	TDR&TXV	14.50		11.70	23,600	3.74	14,200	2.54	8.7	58MVB080–14
	CNRH*3017A**	23,600	TDR&TXV	14.50		11.70	23,600	3.74	14,200	2.54	8.7	58MVB080–20
	CNRH*3017A**	23,600	TDR&TXV	14.50		11.70	23,600	3.76	14,200	2.54	8.7	58MVB100–20
	CNRH*3017A**	23,600	TDR&TXV	14.50		11.70	23,600	3.72	14,100	2.54	8.7	58MVB120–20
	CNRH*3017A**	23,600	TXV		13.00	10.80	24,000	3.58	15,000	2.42	8.5	
	CNRV*2414A**	23,400	TDR&TXV	14.50		11.70	23,800	3.72	14,200	2.52	8.7	58CV(A,X)070–12
	CNRV*2414A**	23,400	TXV		13.00	10.80	24,000	3.68	15,000	2.42	8.6	
	CNRV*2417A**	23,400	TDR&TXV	14.50		11.70	23,800	3.76	14,200	2.54	8.7	58CV(A,X)090–16
	CNRV*2417A**	23,400	TDR&TXV	14.50		11.70	23,800	3.74	14,200	2.52	8.7	58MVB060–14
	CNRV*2417A**	23,400	TDR&TXV	14.50		11.70	23,800	3.74	14,200	2.52	8.7	58UVB060–14
	CNRV*2417A**	23,400	TXV		13.00	10.80	24,000	3.68	15,000	2.42	8.6	
	CNRV*3014A**	23,600	TDR&TXV	14.50		11.70	23,600	3.70	14,200	2.52	8.6	58CV(A,X)070–12
	CNRV*3014A**	23,600	TXV		13.00	10.80	24,000	3.58	15,000	2.42	8.5	
	CNRV*3017A**	23,600	TDR&TXV	14.50		11.70	23,600	3.76	14,100	2.56	8.7	58CV(A,X)090–16
	CNRV*3017A**	23,600	TDR&TXV	14.50		11.70	23,600	3.72	14,100	2.54	8.7	58MVB060–14
	CNRV*3017A**	23,600	TDR&TXV	14.50		11.70	23,600	3.72	14,100	2.54	8.7	58UVB060–14
	CNRV*3017A**	23,600	TXV		13.00	10.80	24,000	3.58	15,000	2.42	8.5	
	CSRH*2412A**	23,400	TDR&TXV	14.50		11.70	23,800	3.72	14,200	2.52	8.7	58CV(A,X)070–12
	CSRH*2412A**	23,400	TDR&TXV	14.50		11.70	23,800	3.76	14,200	2.54	8.7	58CV(A,X)090–16
	CSRH*2412A**	23,400	TDR&TXV	14.50		11.70	23,800	3.74	14,300	2.52	8.7	58CV(A,X)110–20
	CSRH*2412A**	23,400	TDR&TXV	14.50		11.70	23,800	3.74	14,300	2.52	8.7	58CV(A,X)135–22
	CSRH*2412A**	23,400	TDR&TXV	14.50		11.70	23,800	3.76	14,200	2.54	8.7	58CV(A,X)155–22
	CSRH*2412A**	23,400	TDR&TXV	14.50		11.70	24,000	3.74	14,300	2.52	8.7	58MVB040–14
	CSRH*2412A**	23,400	TDR&TXV	14.50		11.70	23,800	3.74	14,200	2.52	8.7	58MVB060–14
	CSRH*2412A**	23,400	TDR&TXV	14.50		11.70	23,800	3.74	14,300	2.52	8.7	58MVB080–14
	CSRH*2412A**	23,400	TDR&TXV	14.50		11.70	23,800	3.74	14,200	2.52	8.7	58MVB080–20
	CSRH*2412A**	23,400	TDR&TXV	14.50		11.70	23,800	3.76	14,300	2.54	8.7	58MVB100–20
	CSRH*2412A**	23,200	TDR&TXV	14.50		11.70	23,800	3.70	14,200	2.52	8.6	58MVB120–20
	CSRH*2412A**	23,400	TXV		13.20	11.00	24,000	3.70	15,000	2.44	8.6	
	CSRH*3012A**	23,400	TDR&TXV	14.50		11.70	23,600	3.70	14,200	2.52	8.7	58CV(A,X)070–12
	CSRH*3012A**	23,600	TDR&TXV	14.50		11.70	23,600	3.74	14,100	2.54	8.7	58CV(A,X)090–16
	CSRH*3012A**	23,600	TDR&TXV	14.50		11.70	23,600	3.74	14,200	2.54	8.7	58CV(A,X)110–20
	CSRH*3012A**	23,600	TDR&TXV	14.50		11.70	23,600	3.74	14,200	2.54	8.7	58CV(A,X)135–22
	CSRH*3012A**	23,600	TDR&TXV	14.50		11.70	23,600	3.74	14,200	2.54	8.7	58CV(A,X)155–22
	CSRH*3012A**	23,600	TDR&TXV	14.50		11.70	23,600	3.72	14,200	2.52	8.7	58MVB040–14
	CSRH*3012A**	23,400	TDR&TXV	14.50		11.70	23,600	3.72	14,200	2.54	8.7	58MVB060–14
	CSRH*3012A**	23,600	TDR&TXV	14.50		11.70	23,600	3.72	14,200	2.54	8.7	58MVB080–14
	CSRH*3012A**	23,600	TDR&TXV	14.50		11.70	23,600	3.72	14,200	2.54	8.7	58MVB080–20
	CSRH*3012A**	23,600	TDR&TXV	14.50		11.70	23,600	3.74	14,200	2.54	8.7	58MVB100–20
	CSRH*3012A**	23,400	TDR&TXV	14.50		11.70	23,600	3.70	14,200	2.52	8.6	58MVB120–20
	CSRH*3012A**	23,600	TXV		13.20	11.00	24,000	3.58	15,000	2.44	8.5	
30–30	*FC4DNF030	28,800	TDR&TXV	13.00		10.80	28,800	3.38	17,300	2.30	8.0	
	FC4DN(F,B)036	29,000	TDR&TXV	13.00		10.80	28,000	3.30	17,500	2.28	8.0	
	FK4DN(B,F)003	28,800	TDR&TXV	13.50		11.20	27,800	3.36	17,000	2.32	8.0	
	FK4DNF001	28,400	TDR&TXV	13.00		10.80	28,800	3.32	17,100	2.26	7.7	
	FK4DNF002	28,800	TDR&TXV	13.20		11.00	28,800	3.44	17,100	2.30	8.0	
	CAR**3014A**	28,400	TDR&TXV	13.00		10.80	28,400	3.30	17,100	2.26	7.7	58CV(A,X)070–12
	CAR**3017A**	28,400	TDR&TXV	13.20		11.00	28,200	3.34	17,000	2.30	7.7	58CV(A,X)090–16
	CAR**3017A**	28,400	TDR&TXV	13.00		10.80	28,400	3.30	17,100	2.28	7.7	58MVB060–14
	CAR**3017A**	28,400	TDR&TXV	13.00		10.80	28,400	3.30	17,100	2.28	7.7	58UVB060–14

See notes on page 16

COMBINATION RATINGS (CONT.)

Unit Size – Voltage, Series	Indoor Model	Cooling Capa-city	ARI Standard Ratings									Furnace Model
			Cooling				Heating					
							High Temp		Low Temp			
			Factory Enhance	Standard Rating	SEER TDR	EER	E Capacity	E COP	H Capacity	H COP	HSPF	
30−30	CAR**3614A**	28,600	TDR&TXV	13.00		10.80	28,200	3.30	17,100	2.28	7.7	58CV(A,X)070−12
	CAR**3617A**	28,600	TDR&TXV	13.20		11.00	28,000	3.34	17,000	2.30	7.7	58CV(A,X)090−16
	CAR**3617A**	28,600	TDR&TXV	13.20		11.00	28,200	3.32	17,100	2.28	7.7	58MVB060−14
	CAR**3617A**	28,600	TDR&TXV	13.20		11.00	28,200	3.32	17,100	2.28	7.7	58UVB060−14
	CAR**3621A**	28,800	TDR&TXV	13.20		11.00	28,000	3.36	17,000	2.32	7.7	58CV(A,X)110−20
	CAR**3621A**	28,600	TDR&TXV	13.20		11.00	28,000	3.34	17,100	2.30	7.7	58MVB080−20
	CAR**3621A**	28,600	TDR&TXV	13.20		11.00	28,000	3.34	17,000	2.30	7.7	58MVB100−20
	CAR**3621A**	28,600	TDR&TXV	13.20		11.00	28,000	3.34	17,100	2.30	7.7	58UVB080−20
	CAR**3621A**	28,600	TDR&TXV	13.20		11.00	28,000	3.34	17,000	2.30	7.7	58UVB100−20
	CNRH*3017A**	28,400	TDR&TXV	13.00		10.80	28,400	3.32	17,100	2.28	7.7	58CV(A,X)070−12
	CNRH*3017A**	28,600	TDR&TXV	13.20		11.00	28,200	3.34	17,000	2.30	7.7	58CV(A,X)090−16
	CNRH*3017A**	28,600	TDR&TXV	13.20		10.80	28,200	3.34	17,100	2.30	7.7	58CV(A,X)110−20
	CNRH*3017A**	28,600	TDR&TXV	13.20		11.00	28,200	3.34	17,000	2.30	7.7	58CV(A,X)135−22
	CNRH*3017A**	28,600	TDR&TXV	13.20		11.00	28,200	3.34	17,000	2.30	7.7	58CV(A,X)155−22
	CNRH*3017A**	28,400	TDR&TXV	13.00		10.80	28,400	3.30	17,100	2.28	7.7	58MVB040−14
	CNRH*3017A**	28,400	TDR&TXV	13.00		10.80	28,400	3.30	17,100	2.28	7.7	58MVB060−14
	CNRH*3017A**	28,400	TDR&TXV	13.00		10.80	28,400	3.32	17,100	2.28	7.7	58MVB080−14
	CNRH*3017A**	28,400	TDR&TXV	13.00		10.80	28,400	3.32	17,100	2.28	7.7	58MVB080−20
	CNRH*3017A**	28,600	TDR&TXV	13.00		10.80	28,200	3.32	17,100	2.28	7.7	58MVB100−20
	CNRH*3617A**	28,400	TDR&TXV	13.00		10.80	28,400	3.32	17,100	2.28	7.7	58CV(A,X)070−12
	CNRH*3617A**	28,600	TDR&TXV	13.20		11.00	28,200	3.34	17,000	2.30	7.7	58CV(A,X)090−16
	CNRH*3617A**	28,600	TDR&TXV	13.20		11.00	28,200	3.34	17,100	2.30	7.7	58CV(A,X)110−20
	CNRH*3617A**	28,600	TDR&TXV	13.20		11.00	28,200	3.34	17,000	2.30	7.7	58CV(A,X)135−22
	CNRH*3617A**	28,600	TDR&TXV	13.20		11.00	28,200	3.34	17,000	2.30	7.7	58CV(A,X)155−22
	CNRH*3617A**	28,400	TDR&TXV	13.00		10.80	28,400	3.30	17,100	2.28	7.7	58MVB040−14
	CNRH*3617A**	28,400	TDR&TXV	13.00		10.80	28,400	3.30	17,100	2.28	7.7	58MVB060−14
	CNRH*3617A**	28,400	TDR&TXV	13.00		10.80	28,400	3.32	17,100	2.28	7.7	58MVB080−14
	CNRH*3617A**	28,400	TDR&TXV	13.00		10.80	28,400	3.32	17,100	2.28	7.7	58MVB080−20
	CNRH*3617A**	28,600	TDR&TXV	13.00		10.80	28,200	3.32	17,100	2.28	7.7	58MVB100−20
	CNRH*3617A**	28,400	TDR&TXV	13.20		11.00	28,200	3.32	17,000	2.28	7.7	58MVB120−20
	CNRV*3014A**	28,400	TDR&TXV	13.00		10.80	28,400	3.30	17,200	2.26	7.7	58CV(A,X)070−12
	CNRV*3017A**	28,600	TDR&TXV	13.20		11.00	28,200	3.34	17,000	2.30	7.7	58CV(A,X)090−16
	CNRV*3017A**	28,400	TDR&TXV	13.00		10.80	28,400	3.30	17,100	2.28	7.7	58MVB060−14
	CNRV*3017A**	28,400	TDR&TXV	13.00		10.80	28,400	3.30	17,100	2.28	7.7	58UVB060−14
	CNRV*3617A**	28,600	TDR&TXV	13.20		10.80	28,200	3.34	17,000	2.30	7.7	58CV(A,X)090−16
	CNRV*3617A**	28,400	TDR&TXV	13.00		10.80	28,400	3.30	17,100	2.28	7.7	58MVB060−14
	CNRV*3617A**	28,400	TDR&TXV	13.00		10.80	28,400	3.30	17,100	2.28	7.7	58UVB060−14
	CNRV*3621A**	28,600	TDR&TXV	13.20		11.00	28,200	3.34	17,100	2.30	7.7	58CV(A,X)110−20
	CNRV*3621A**	28,400	TDR&TXV	13.00		10.80	28,400	3.32	17,100	2.28	7.7	58MVB080−14
	CNRV*3621A**	28,400	TDR&TXV	13.00		10.80	28,400	3.32	17,100	2.28	7.7	58MVB080−20
	CNRV*3621A**	28,600	TDR&TXV	13.00		10.80	28,200	3.32	17,100	2.28	7.7	58MVB100−20
	CNRV*3621A**	28,400	TDR&TXV	13.00		10.80	28,400	3.32	17,100	2.28	7.7	58UVB080−14
	CNRV*3621A**	28,400	TDR&TXV	13.00		10.80	28,400	3.32	17,100	2.28	7.7	58UVB080−20
	CNRV*3621A**	28,600	TDR&TXV	13.00		10.80	28,200	3.32	17,100	2.28	7.7	58UVB100−20
	CSRH*3012A**	28,600	TDR&TXV	13.00		10.80	28,200	3.30	17,200	2.28	7.7	58CV(A,X)070−12
	CSRH*3012A**	28,600	TDR&TXV	13.20		11.00	28,200	3.32	17,100	2.30	7.7	58CV(A,X)090−16
	CSRH*3012A**	28,800	TDR&TXV	13.20		11.00	28,200	3.34	17,100	2.30	7.7	58CV(A,X)110−20
	CSRH*3012A**	28,800	TDR&TXV	13.20		11.00	28,200	3.34	17,100	2.30	7.7	58CV(A,X)135−22
	CSRH*3012A**	28,800	TDR&TXV	13.20		11.00	28,200	3.34	17,100	2.30	7.7	58CV(A,X)155−22
	CSRH*3012A**	28,600	TDR&TXV	13.00		10.80	28,200	3.30	17,200	2.28	7.7	58MVB040−14
	CSRH*3012A**	28,600	TDR&TXV	13.00		10.80	28,200	3.30	17,100	2.28	7.7	58MVB060−14
	CSRH*3012A**	28,600	TDR&TXV	13.00		10.80	28,200	3.30	17,200	2.28	7.7	58MVB080−14
	CSRH*3012A**	28,600	TDR&TXV	13.00		10.80	28,200	3.32	17,100	2.28	7.7	58MVB080−20
	CSRH*3012A**	28,600	TDR&TXV	13.20		11.00	28,200	3.32	17,100	2.28	7.7	58MVB100−20
	CSRH*3012A**	28,600	TDR&TXV	13.20		11.00	28,200	3.32	17,100	2.28	7.7	58MVB120−20
	CSRH*3612A**	29,200	TDR&TXV	13.50		11.00	27,600	3.36	17,200	2.32	8.0	58CV(A,X)070−12
	CSRH*3612A**	29,200	TDR&TXV	13.50		11.20	27,600	3.38	17,100	2.34	8.0	58CV(A,X)090−16
	CSRH*3612A**	29,400	TDR&TXV	13.50		11.20	27,400	3.38	17,100	2.34	8.0	58CV(A,X)110−20
	CSRH*3612A**	29,400	TDR&TXV	13.50		11.20	27,400	3.40	17,100	2.34	8.0	58CV(A,X)135−22
	CSRH*3612A**	29,400	TDR&TXV	13.50		11.20	27,400	3.40	17,100	2.34	8.0	58CV(A,X)155−22
	CSRH*3612A**	29,200	TDR&TXV	13.20		11.00	27,600	3.36	17,200	2.32	8.0	58MVB040−14
	CSRH*3612A**	29,200	TDR&TXV	13.20		11.00	27,600	3.36	17,100	2.32	8.0	58MVB060−14
	CSRH*3612A**	29,200	TDR&TXV	13.20		11.00	27,600	3.36	17,200	2.32	8.0	58MVB080−14
	CSRH*3612A**	29,200	TDR&TXV	13.20		11.00	27,600	3.36	17,200	2.32	8.0	58MVB080−20
	CSRH*3612A**	29,200	TDR&TXV	13.50		11.20	27,600	3.38	17,100	2.32	8.0	58MVB100−20
	CSRH*3612A**	29,200	TDR&TXV	13.50		11.20	27,600	3.36	17,100	2.32	8.0	58MVB120−20

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COMBINATION RATINGS (CONT.)

Unit Size – Voltage, Series	Indoor Model	Cooling Capa-city	ARI Standard Ratings									Furnace Model
			Cooling				Heating					
							High Temp		Low Temp			
			Factory Enhance	Standard Rating	SEER TDR	EER	E Capacity	E COP	H Capacity	H COP	HSPF	
36–30	*FC4DN(F,B)036	34,600	TDR&TXV	13.00		10.80	35,000	3.36	21,200	2.46	8.0	
	FC4DN(F,B)042	35,400	TDR&TXV	13.20		11.00	32,200	3.32	21,400	2.52	8.4	
	FK4DNF002	34,000	TDR&TXV	13.00		10.80	36,400	3.46	21,000	2.44	8.2	
	FK4DNF003	34,200	TDR&TXV	13.50		11.20	35,000	3.38	20,800	2.48	8.3	
	CAR**3614A**	32,800	TDR&TXV	13.00		10.80	34,400	3.32	21,000	2.42	8.1	58CV(A,X)070–12
	CAR**3617A**	34,000	TDR&TXV	13.20		11.00	35,400	3.36	20,800	2.46	8.2	58CV(A,X)090–16
	CAR**3617A**	33,800	TDR&TXV	13.00		10.80	35,400	3.36	21,000	2.44	8.2	58MVB060–14
	CAR**3617A**	33,800	TDR&TXV	13.00		10.80	35,400	3.36	21,000	2.44	8.2	58UVB060–14
	CAR**3621A**	34,000	TDR&TXV	13.20		11.00	35,200	3.38	20,800	2.46	8.3	58CV(A,X)110–20
	CAR**3621A**	33,800	TDR&TXV	13.00		10.80	35,400	3.34	21,000	2.42	8.2	58MVB080–14
	CAR**3621A**	34,000	TDR&TXV	13.00		10.80	35,400	3.36	21,000	2.44	8.2	58MVB080–20
	CAR**3621A**	34,000	TDR&TXV	13.20		11.00	35,400	3.36	20,800	2.44	8.2	58MVB100–20
	CAR**3621A**	33,800	TDR&TXV	13.00		10.80	35,400	3.34	21,000	2.42	8.2	58UVB080–14
	CAR**3621A**	34,000	TDR&TXV	13.00		10.80	35,400	3.36	21,000	2.44	8.2	58UVB080–20
	CAR**3621A**	34,000	TDR&TXV	13.20		11.00	35,400	3.36	20,800	2.44	8.2	58UVB100–20
	CAR**4221A**	34,400	TDR&TXV	13.20		11.00	34,800	3.40	21,000	2.48	8.3	58CV(A,X)110–20
	CAR**4221A**	34,000	TDR&TXV	13.00		10.80	35,000	3.36	21,000	2.44	8.2	58MVB080–14
	CAR**4221A**	34,200	TDR&TXV	13.20		11.00	35,000	3.38	21,000	2.46	8.3	58MVB080–20
	CAR**4221A**	34,200	TDR&TXV	13.20		11.00	35,000	3.38	21,000	2.46	8.3	58MVB100–20
	CAR**4221A**	34,000	TDR&TXV	13.00		10.80	35,000	3.36	21,000	2.44	8.2	58UVB080–14
	CAR**4221A**	34,200	TDR&TXV	13.20		11.00	35,000	3.38	21,000	2.46	8.3	58UVB080–20
	CAR**4221A**	34,200	TDR&TXV	13.20		11.00	35,000	3.38	21,000	2.46	8.3	58UVB100–20
	CAR**4224A**	34,400	TDR&TXV	13.50		11.20	34,800	3.42	20,800	2.50	8.4	58CV(A,X)135–22
	CAR**4224A**	34,400	TDR&TXV	13.50		11.20	34,600	3.44	20,800	2.50	8.4	58CV(A,X)155–22
	CAR**4224A**	34,200	TDR&TXV	13.00		10.80	35,000	3.36	21,000	2.44	8.3	58MVB040–14
	CAR**4224A**	34,200	TDR&TXV	13.20		11.00	34,800	3.40	20,800	2.48	8.3	58MVB120–20
	CAR**4224A**	34,200	TDR&TXV	13.20		11.00	34,800	3.40	20,800	2.48	8.3	58UVB120–20
	CNRH*3617A**	33,800	TDR&TXV	13.00		10.80	35,600	3.32	21,000	2.42	8.1	58CV(A,X)070–12
	CNRH*3617A**	33,800	TDR&TXV	13.00		10.80	35,400	3.36	21,000	2.44	8.2	58CV(A,X)090–16
	CNRH*3617A**	33,800	TDR&TXV	13.00		10.80	35,400	3.36	21,000	2.44	8.2	58CV(A,X)110–20
	CNRH*3617A**	33,800	TDR&TXV	13.00		10.80	35,400	3.36	20,800	2.44	8.2	58CV(A,X)135–22
	CNRH*3617A**	34,000	TDR&TXV	13.20		11.00	35,400	3.38	20,800	2.46	8.2	58CV(A,X)155–22
	CNRH*3617A**	33,600	TDR&TXV	13.00		10.80	35,400	3.30	21,000	2.40	8.1	58MVB040–14
	CNRH*3617A**	33,800	TDR&TXV	13.00		10.80	35,400	3.34	21,000	2.42	8.2	58MVB060–14
	CNRH*3617A**	33,800	TDR&TXV	13.00		10.80	35,400	3.32	21,000	2.42	8.2	58MVB080–20
	CNRH*3617A**	33,800	TDR&TXV	13.00		10.80	35,400	3.34	21,000	2.42	8.2	58MVB100–20
	CNRH*3617A**	33,800	TDR&TXV	13.00		10.80	35,400	3.34	21,000	2.42	8.2	58MVB120–20
	CNRH*4221A**	34,200	TDR&TXV	13.20		11.00	35,000	3.40	21,000	2.46	8.3	58CV(A,X)070–12
	CNRH*4221A**	34,400	TDR&TXV	13.50		11.20	34,800	3.44	20,800	2.50	8.4	58CV(A,X)090–16
	CNRH*4221A**	34,600	TDR&TXV	13.50		11.20	34,800	3.44	20,800	2.50	8.4	58CV(A,X)110–20
	CNRH*4221A**	34,600	TDR&TXV	13.50		11.20	34,600	3.46	20,800	2.52	8.5	58CV(A,X)135–22
	CNRH*4221A**	34,600	TDR&TXV	13.50		11.20	34,600	3.48	20,600	2.52	8.5	58CV(A,X)155–22
	CNRH*4221A**	34,200	TDR&TXV	13.20		11.00	35,000	3.40	21,000	2.48	8.3	58MVB040–14
	CNRH*4221A**	34,400	TDR&TXV	13.50		11.20	34,800	3.42	20,800	2.48	8.4	58MVB060–14
	CNRH*4221A**	34,200	TDR&TXV	13.20		11.00	35,000	3.40	21,000	2.46	8.3	58MVB080–14
	CNRH*4221A**	34,400	TDR&TXV	13.20		11.00	34,800	3.40	21,000	2.48	8.3	58MVB080–20
	CNRH*4221A**	34,400	TDR&TXV	13.50		11.20	34,800	3.42	20,800	2.48	8.4	58MVB100–20
	CNRH*4221A**	34,400	TDR&TXV	13.50		11.20	34,800	3.44	20,800	2.50	8.4	58MVB120–20
	CNRV*3617A**	33,800	TDR&TXV	13.00		10.80	35,400	3.36	21,000	2.44	8.2	58CV(A,X)090–16
	CNRV*3617A**	33,800	TDR&TXV	13.00		10.80	35,400	3.34	21,000	2.42	8.2	58MVB060–14
	CNRV*3617A**	33,800	TDR&TXV	13.00		10.80	35,400	3.34	21,000	2.42	8.2	58UVB060–14
	CNRV*3621A**	34,000	TDR&TXV	13.00		10.80	35,400	3.36	21,000	2.44	8.2	58CV(A,X)110–20
	CNRV*3621A**	33,800	TDR&TXV	13.00		10.80	35,400	3.34	21,000	2.42	8.2	58MVB080–20
	CNRV*3621A**	33,800	TDR&TXV	13.00		10.80	35,400	3.34	21,000	2.42	8.2	58MVB100–20
	CNRV*3621A**	33,800	TDR&TXV	13.00		10.80	35,400	3.34	21,000	2.42	8.2	58UVB080–20
	CNRV*3621A**	33,800	TDR&TXV	13.00		10.80	35,400	3.34	21,000	2.42	8.2	58UVB100–20
	CNRV*4221A**	34,600	TDR&TXV	13.50		11.20	34,800	3.44	20,800	2.50	8.4	58CV(A,X)110–20
	CNRV*4221A**	34,200	TDR&TXV	13.20		11.00	35,000	3.40	21,000	2.46	8.3	58MVB080–14
	CNRV*4221A**	34,400	TDR&TXV	13.20		11.00	34,800	3.40	21,000	2.48	8.3	58MVB080–20
	CNRV*4221A**	34,400	TDR&TXV	13.50		11.20	34,800	3.42	20,800	2.48	8.4	58MVB100–20
	CNRV*4221A**	34,200	TDR&TXV	13.20		11.00	35,000	3.40	21,000	2.46	8.3	58UVB080–14
	CNRV*4221A**	34,400	TDR&TXV	13.20		11.00	34,800	3.40	21,000	2.48	8.3	58UVB080–20
	CNRV*4221A**	34,400	TDR&TXV	13.50		11.20	34,800	3.42	20,800	2.48	8.4	58UVB100–20
	CSRH*3612A**	33,600	TDR&TXV	13.20		11.00	34,400	3.38	21,200	2.46	8.3	58CV(A,X)070–12
	CSRH*3612A**	34,000	TDR&TXV	13.50		11.20	34,400	3.42	21,000	2.50	8.4	58CV(A,X)090–16

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COMBINATION RATINGS (CONT.)

Unit Size – Voltage, Series	Indoor Model	Cooling Capa-city	ARI Standard Ratings									Furnace Model
			Cooling				Heating					
							High Temp		Low Temp			
			Factory Enhance	Standard Rating	SEER TDR	EER	E Capacity	E COP	H Capacity	H COP	HSPF	
	CSRH*3612A**	34,000	TDR&TXV	13.50		11.20	34,200	3.42	21,000	2.50	8.4	58CV(A,X)110−20
	CSRH*3612A**	34,000	TDR&TXV	13.50		11.20	34,200	3.44	21,000	2.50	8.4	58CV(A,X)135−22
	CSRH*3612A**	34,000	TDR&TXV	13.50		11.20	34,200	3.46	21,000	2.52	8.5	58CV(A,X)155−22
	CSRH*3612A**	33,600	TDR&TXV	13.20		11.00	34,600	3.38	21,200	2.46	8.3	58MVB040−14
	CSRH*3612A**	33,800	TDR&TXV	13.20		11.00	34,400	3.40	21,000	2.48	8.4	58MVB060−14
	CSRH*3612A**	33,600	TDR&TXV	13.00		10.80	34,600	3.36	21,200	2.46	8.3	58MVB080−14
	CSRH*3612A**	33,800	TDR&TXV	13.20		11.00	34,400	3.40	21,000	2.48	8.4	58MVB080−20
	CSRH*3612A**	33,800	TDR&TXV	13.20		11.00	34,400	3.40	21,000	2.48	8.4	58MVB100−20
	CSRH*3612A**	33,800	TDR&TXV	13.20		11.00	34,400	3.42	21,000	2.48	8.4	58MVB120−20
36−30	CSRH*4212A**	34,200	TDR&TXV	13.20		11.00	33,800	3.38	21,200	2.48	8.4	58CV(A,X)070−12
	CSRH*4212A**	34,200	TDR&TXV	13.50		11.20	33,800	3.42	21,000	2.52	8.5	58CV(A,X)090−16
	CSRH*4212A**	34,400	TDR&TXV	13.50		11.20	33,600	3.42	21,000	2.52	8.5	58CV(A,X)110−20
	CSRH*4212A**	34,400	TDR&TXV	13.50		11.20	33,600	3.44	21,000	2.52	8.5	58CV(A,X)135−22
	CSRH*4212A**	34,400	TDR&TXV	13.50		11.50	33,600	3.46	21,000	2.54	8.5	58CV(A,X)155−22
	CSRH*4212A**	34,000	TDR&TXV	13.20		11.00	34,000	3.38	21,200	2.48	8.4	58MVB040−14
	CSRH*4212A**	34,200	TDR&TXV	13.50		11.20	33,800	3.42	21,000	2.50	8.4	58MVB060−14
	CSRH*4212A**	34,000	TDR&TXV	13.20		11.00	34,000	3.38	21,200	2.46	8.3	58MVB080−14
	CSRH*4212A**	34,200	TDR&TXV	13.50		11.20	33,800	3.40	21,000	2.50	8.4	58MVB080−20
	CSRH*4212A**	34,200	TDR&TXV	13.50		11.20	33,800	3.42	21,000	2.50	8.4	58MVB100−20
	CSRH*4212A**	34,200	TDR&TXV	13.50		11.20	33,800	3.42	21,000	2.50	8.4	58MVB120−20
	*FC4DN(F,B)042	41,000	TDR&TXV	13.00		11.00	40,500	3.56	24,600	2.42	8.0	
	FC4DN(F,B)048	42,000	TDR&TXV	13.50		11.20	39,500	3.68	24,600	2.48	8.2	
	FK4DN(B,F)003	40,000	TDR&TXV	13.50		11.20	39,500	3.38	23,800	2.40	7.7	
	FK4DN(B,F)005	41,500	TDR&TXV	14.00		12.00	39,000	3.62	24,000	2.50	8.0	
	FK4DNB006	42,000	TDR&TXV	14.50		12.00	37,200	3.60	24,000	2.54	8.2	
	CAR**4221A**	40,000	TDR&TXV	13.50		11.20	40,000	3.42	24,000	2.40	7.7	58CV(A,X)110−20
	CAR**4221A**	39,500	TDR&TXV	13.00		10.80	40,000	3.36	24,200	2.36	7.7	58MVB080−14
	CAR**4221A**	39,500	TDR&TXV	13.20		11.00	40,000	3.38	24,200	2.38	7.7	58MVB080−20
	CAR**4221A**	39,500	TDR&TXV	13.20		11.00	40,000	3.40	24,000	2.40	7.7	58MVB100−20
	CAR**4221A**	39,500	TDR&TXV	13.00		10.80	40,000	3.36	24,200	2.36	7.7	58UVB080−14
	CAR**4221A**	39,500	TDR&TXV	13.20		11.00	40,000	3.38	24,200	2.38	7.7	58UVB080−20
	CAR**4221A**	39,500	TDR&TXV	13.20		11.00	40,000	3.40	24,000	2.40	7.7	58UVB100−20
	CAR**4224A**	40,000	TDR&TXV	13.50		11.20	39,500	3.46	23,800	2.44	7.7	58CV(A,X)135−22
	CAR**4224A**	40,000	TDR&TXV	13.50		11.20	39,500	3.46	23,800	2.44	7.7	58CV(A,X)155−22
	CAR**4224A**	39,500	TDR&TXV	13.20		11.00	40,000	3.36	24,200	2.38	7.7	58MVB040−14
	CAR**4224A**	39,500	TDR&TXV	13.50		11.00	40,000	3.40	24,000	2.40	7.7	58MVB120−20
	CAR**4224A**	39,500	TDR&TXV	13.50		11.00	40,000	3.40	24,000	2.40	7.7	58UVB120−20
	CAR**4817A**	41,000	TDR&TXV	13.50		11.20	39,500	3.58	24,200	2.44	8.0	58CV(A,X)090−16
	CAR**4817A**	40,500	TDR&TXV	13.50		11.20	40,000	3.56	24,200	2.42	7.7	58MVB060−14
	CAR**4817A**	40,500	TDR&TXV	13.50		11.20	40,000	3.56	24,200	2.42	7.7	58UVB060−14
	CAR**4821A**	40,500	TDR&TXV	13.50		11.20	40,000	3.58	24,000	2.44	8.0	58CV(A,X)110−20
	CAR**4821A**	40,000	TDR&TXV	13.20		11.20	40,000	3.50	24,200	2.40	7.7	58MVB080−14
	CAR**4821A**	40,500	TDR&TXV	13.20		11.00	40,000	3.54	24,200	2.42	7.7	58MVB080−20
42−30	CAR**4821A**	40,500	TDR&TXV	13.50		11.20	40,000	3.56	24,200	2.44	7.7	58MVB100−20
	CAR**4821A**	40,000	TDR&TXV	13.20		11.20	40,000	3.50	24,200	2.40	7.7	58UVB080−14
	CAR**4821A**	40,500	TDR&TXV	13.20		11.00	40,000	3.54	24,200	2.42	7.7	58UVB080−20
	CAR**4821A**	40,500	TDR&TXV	13.50		11.20	40,000	3.56	24,200	2.44	7.7	58UVB100−20
	CAR**4824A**	40,500	TDR&TXV	13.50		11.20	40,000	3.62	24,000	2.46	8.0	58CV(A,X)135−22
	CAR**4824A**	40,500	TDR&TXV	13.50		11.20	40,000	3.62	24,000	2.46	8.0	58CV(A,X)155−22
	CAR**4824A**	40,000	TDR&TXV	13.20		11.00	40,000	3.52	24,200	2.40	7.7	58MVB040−14
	CAR**4824A**	40,500	TDR&TXV	13.50		11.20	40,000	3.56	24,000	2.44	7.7	58MVB120−20
	CAR**4824A**	40,500	TDR&TXV	13.50		11.20	40,000	3.56	24,000	2.44	7.7	58UVB120−20
	CNRH*4221A**	39,500	TDR&TXV	13.00		10.80	40,000	3.36	24,200	2.36	7.7	58CV(A,X)070−12
	CNRH*4221A**	40,000	TDR&TXV	13.20		11.00	40,000	3.42	24,000	2.40	7.7	58CV(A,X)090−16
	CNRH*4221A**	40,000	TDR&TXV	13.20		11.00	40,000	3.42	24,000	2.40	7.7	58CV(A,X)110−20
	CNRH*4221A**	40,000	TDR&TXV	13.50		11.20	40,000	3.44	24,000	2.42	7.7	58CV(A,X)135−22
	CNRH*4221A**	40,000	TDR&TXV	13.50		11.20	40,000	3.44	24,000	2.42	7.7	58CV(A,X)155−22
	CNRH*4221A**	39,500	TDR&TXV	13.00		10.80	40,000	3.36	24,200	2.36	7.7	58MVB040−14
	CNRH*4221A**	39,500	TDR&TXV	13.20		11.00	40,000	3.38	24,200	2.38	7.7	58MVB060−14
	CNRH*4221A**	39,500	TDR&TXV	13.00		10.80	40,000	3.34	24,200	2.36	7.7	58MVB080−14
	CNRH*4221A**	39,500	TDR&TXV	13.20		11.00	40,000	3.38	24,200	2.38	7.7	58MVB080−20
	CNRH*4221A**	39,500	TDR&TXV	13.20		11.00	40,000	3.40	24,200	2.38	7.7	58MVB100−20
	CNRH*4221A**	39,500	TDR&TXV	13.20		11.00	40,000	3.40	24,000	2.38	7.7	58MVB120−20
	CNRH*4821A**	40,500	TDR&TXV	13.20		11.00	40,500	3.52	24,200	2.40	7.7	58CV(A,X)070−12
	CNRH*4821A**	40,500	TDR&TXV	13.50		11.20	40,000	3.56	24,000	2.44	7.7	58CV(A,X)090−16
	CNRH*4821A**	40,500	TDR&TXV	13.50		11.20	40,000	3.58	24,000	2.46	8.0	58CV(A,X)110−20
	CNRH*4821A**	40,500	TDR&TXV	13.50		11.20	40,000	3.62	24,000	2.48	8.0	58CV(A,X)135−22
	CNRH*4821A**	40,500	TDR&TXV	14.00		11.50	40,000	3.60	24,000	2.48	8.0	58CV(A,X)155−22

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COMBINATION RATINGS (CONT.)

Unit Size – Voltage, Series	Indoor Model	Cooling Capa-city	ARI Standard Ratings									Furnace Model
			Cooling				Heating					
							High Temp		Low Temp			
			Factory Enhance	Standard Rating	SEER TDR	EER	E Capacity	E COP	H Capacity	H COP	HSPF	
	CNRH*4821A**	40,500	TDR&TXV	13.20		11.00	40,500	3.50	24,200	2.42	7.7	58MVB040–14
	CNRH*4821A**	40,500	TDR&TXV	13.50		11.20	40,000	3.54	24,200	2.42	7.7	58MVB060–14
	CNRH*4821A**	40,500	TDR&TXV	13.20		11.00	40,500	3.50	24,200	2.40	7.7	58MVB080–14
	CNRH*4821A**	40,500	TDR&TXV	13.50		11.20	40,500	3.54	24,200	2.42	7.7	58MVB080–20
	CNRH*4821A**	40,500	TDR&TXV	13.50		11.20	40,000	3.56	24,200	2.44	7.7	58MVB100–20
	CNRH*4821A**	40,500	TDR&TXV	13.50		11.20	40,000	3.56	24,000	2.44	7.7	58MVB120–20
	CNRV*4221A**	40,000	TDR&TXV	13.20		11.00	40,000	3.42	24,000	2.40	7.7	58CV(A,X)110–20
	CNRV*4221A**	39,500	TDR&TXV	13.00		10.80	40,000	3.34	24,200	2.36	7.7	58MVB080–14
	CNRV*4221A**	39,500	TDR&TXV	13.20		11.00	40,000	3.38	24,200	2.38	7.7	58MVB080–20
	CNRV*4221A**	39,500	TDR&TXV	13.20		11.00	40,000	3.40	24,200	2.38	7.7	58MVB100–20
	CNRV*4221A**	39,500	TDR&TXV	13.00		10.80	40,000	3.34	24,200	2.36	7.7	58UVB080–14
	CNRV*4221A**	39,500	TDR&TXV	13.20		11.00	40,000	3.38	24,200	2.38	7.7	58UVB080–20
	CNRV*4221A**	39,500	TDR&TXV	13.20		11.00	40,000	3.40	24,200	2.38	7.7	58UVB100–20
	CNRV*4821A**	40,500	TDR&TXV	13.50		11.20	40,000	3.58	24,000	2.46	8.0	58CV(A,X)110–20
	CNRV*4821A**	40,500	TDR&TXV	13.20		11.00	40,500	3.50	24,200	2.40	7.7	58MVB080–14
	CNRV*4821A**	40,500	TDR&TXV	13.50		11.20	40,500	3.54	24,200	2.42	7.7	58MVB080–20
	CNRV*4821A**	40,500	TDR&TXV	13.50		11.20	40,000	3.56	24,200	2.44	7.7	58MVB100–20
	CNRV*4821A**	40,500	TDR&TXV	13.20		11.00	40,500	3.50	24,200	2.40	7.7	58UVB080–14
	CNRV*4821A**	40,500	TDR&TXV	13.50		11.20	40,500	3.54	24,200	2.42	7.7	58UVB080–20
	CNRV*4821A**	40,500	TDR&TXV	13.50		11.20	40,000	3.56	24,200	2.44	7.7	58UVB100–20
	CNRV*4824A**	40,500	TDR&TXV	13.50		11.20	40,000	3.62	24,000	2.48	8.0	58CV(A,X)135–22
	CNRV*4824A**	40,500	TDR&TXV	14.00		11.50	40,000	3.60	24,000	2.48	8.0	58CV(A,X)155–22
	CNRV*4824A**	40,500	TDR&TXV	13.20		11.00	40,500	3.50	24,200	2.42	7.7	58MVB040–14
42–30	CNRV*4824A**	40,500	TDR&TXV	13.50		11.20	40,000	3.56	24,000	2.44	7.7	58MVB120–20
	CNRV*4824A**	40,500	TDR&TXV	13.50		11.20	40,000	3.56	24,000	2.44	7.7	58UVB120–20
	CSRH*4212A**	40,500	TDR&TXV	13.00		11.00	40,500	3.50	24,400	2.40	7.7	58CV(A,X)070–12
	CSRH*4212A**	40,500	TDR&TXV	13.50		11.20	40,000	3.56	24,200	2.44	7.7	58CV(A,X)090–16
	CSRH*4212A**	41,000	TDR&TXV	13.50		11.20	40,500	3.58	24,200	2.44	8.0	58CV(A,X)110–20
	CSRH*4212A**	41,000	TDR&TXV	13.50		11.20	40,000	3.60	24,000	2.46	8.0	58CV(A,X)135–22
	CSRH*4212A**	41,000	TDR&TXV	13.50		11.20	40,000	3.60	24,000	2.46	8.0	58CV(A,X)155–22
	CSRH*4212A**	40,500	TDR&TXV	13.20		11.00	40,500	3.50	24,200	2.40	7.7	58MVB040–14
	CSRH*4212A**	40,500	TDR&TXV	13.50		11.20	40,500	3.54	24,200	2.42	7.7	58MVB060–14
	CSRH*4212A**	40,500	TDR&TXV	13.20		11.00	40,500	3.48	24,400	2.40	7.7	58MVB080–14
	CSRH*4212A**	40,500	TDR&TXV	13.50		11.20	40,500	3.54	24,200	2.42	7.7	58MVB080–20
	CSRH*4212A**	40,500	TDR&TXV	13.50		11.20	40,500	3.54	24,200	2.44	7.7	58MVB100–20
	CSRH*4212A**	40,500	TDR&TXV	13.50		11.20	40,000	3.54	24,200	2.44	7.7	58MVB120–20
	CSRH*4812A**	40,500	TDR&TXV	13.20		11.00	40,500	3.54	24,400	2.40	7.7	58CV(A,X)070–12
	CSRH*4812A**	41,000	TDR&TXV	13.50		11.20	40,000	3.60	24,200	2.46	8.0	58CV(A,X)090–16
	CSRH*4812A**	41,000	TDR&TXV	13.50		11.20	40,500	3.60	24,200	2.46	8.0	58CV(A,X)110–20
	CSRH*4812A**	41,000	TDR&TXV	13.50		11.20	40,000	3.64	24,000	2.48	8.0	58CV(A,X)135–22
	CSRH*4812A**	41,000	TDR&TXV	14.00		11.50	40,000	3.64	24,000	2.48	8.0	58CV(A,X)155–22
	CSRH*4812A**	40,500	TDR&TXV	13.20		11.00	40,500	3.54	24,400	2.42	7.7	58MVB040–14
	CSRH*4812A**	41,000	TDR&TXV	13.50		11.20	40,500	3.56	24,200	2.44	7.7	58MVB060–14
	CSRH*4812A**	40,500	TDR&TXV	13.20		11.00	40,500	3.52	24,400	2.40	7.7	58MVB080–14
	CSRH*4812A**	41,000	TDR&TXV	13.50		11.20	40,500	3.56	24,200	2.42	7.7	58MVB080–20
	CSRH*4812A**	41,000	TDR&TXV	13.50		11.20	40,500	3.58	24,200	2.44	8.0	58MVB100–20
	CSRH*4812A**	41,000	TDR&TXV	13.50		11.20	40,000	3.58	24,200	2.44	8.0	58MVB120–20
	CSRH*4812A**	41,500	TXV			10.80	41,000	3.54	25,000	2.38	7.7	
	*FC4DN(F,B)048	47,000	TDR&TXV	1’3.00		10.80	47,000	3.46	30,200	2.60	8.5	
	FK4DNB006	47,500	TDR&TXV	14.00		11.50	46,000	3.54	29,600	2.66	8.6	
	FK4DNF005	46,500	TDR&TXV	13.50		11.20	46,000	3.40	29,600	2.60	8.4	
	CAR**4817A**	44,000	TDR&TXV	13.20		11.00	45,000	3.36	30,000	2.54	8.3	58CV(A,X)090–16
	CAR**4821A**	45,000	TDR&TXV	13.20		11.00	46,000	3.34	29,800	2.54	8.2	58CV(A,X)110–20
	CAR**4821A**	45,000	TDR&TXV	13.00		10.80	46,000	3.30	29,800	2.50	8.1	58MVB080–20
	CAR**4821A**	45,000	TDR&TXV	13.00		10.80	46,000	3.32	29,800	2.52	8.2	58MVB100–20
	CAR**4821A**	45,000	TDR&TXV	13.00		10.80	46,000	3.30	29,800	2.50	8.1	58UVB080–20
	CAR**4821A**	45,000	TDR&TXV	13.00		10.80	46,000	3.32	29,800	2.52	8.2	58UVB100–20
48–30												
	CAR**4824A**	45,500	TDR&TXV	13.50		11.20	46,000	3.36	29,600	2.56	8.3	58CV(A,X)135–22
	CAR**4824A**	45,500	TDR&TXV	13.50		11.20	45,500	3.38	29,400	2.58	8.3	58CV(A,X)155–22
	CAR**4824A**	45,000	TDR&TXV	13.20		11.00	46,000	3.32	29,800	2.52	8.2	58MVB120–20
	CAR**4824A**	45,000	TDR&TXV	13.20		11.00	46,000	3.32	29,800	2.52	8.2	58UVB120–20
	CAR**6021A**	46,500	TDR&TXV	13.50		11.20	46,000	3.36	29,600	2.58	8.3	58CV(A,X)110–20
	CAR**6021A**	46,000	TDR&TXV	13.20		11.00	46,000	3.32	29,800	2.54	8.2	58MVB080–20
	CAR**6021A**	46,500	TDR&TXV	13.50		11.20	46,000	3.34	29,800	2.56	8.2	58MVB100–20
	CAR**6021A**	46,000	TDR&TXV	13.20		11.00	46,000	3.32	29,800	2.54	8.2	58UVB080–20
	CAR**6021A**	46,500	TDR&TXV	13.50		11.20	46,000	3.34	29,800	2.56	8.2	58UVB100–20

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COMBINATION RATINGS (CONT.)

Unit Size – Voltage, Series	Indoor Model	Cooling Capa-city	ARI Standard Ratings									
			Cooling				Heating					Furnace Model
							High Temp		Low Temp		HSPF	
			Factory Enhance	Standard Rating	SEER TDR	EER	E Capacity	E COP	H Capacity	H COP		
48–30	CAR**6024A**	46,500	TDR&TXV	13.50		11.20	46,000	3.38	29,600	2.58	8.3	58CV(A,X)135–22
	CAR**6024A**	46,500	TDR&TXV	13.50		11.50	46,000	3.40	29,600	2.60	8.4	58CV(A,X)155–22
	CAR**6024A**	46,000	TDR&TXV	13.50		11.20	46,000	3.32	29,800	2.54	8.2	58MVB120–20
	CAR**6024A**	46,000	TDR&TXV	13.50		11.20	46,000	3.32	29,800	2.54	8.2	58UVB120–20
	CNRH*4821A**	45,000	TDR&TXV	13.20		11.00	46,000	3.32	29,800	2.54	8.2	58CV(A,X)090–16
	CNRH*4821A**	45,500	TDR&TXV	13.20		11.00	46,000	3.34	29,600	2.54	8.2	58CV(A,X)110–20
	CNRH*4821A**	45,500	TDR&TXV	13.50		11.20	45,500	3.36	29,600	2.56	8.3	58CV(A,X)135–22
	CNRH*4821A**	45,500	TDR&TXV	13.50		11.20	45,500	3.38	29,400	2.58	8.3	58CV(A,X)155–22
	CNRH*4821A**	45,000	TDR&TXV	13.00		10.80	46,000	3.30	29,800	2.52	8.1	58MVB080–20
	CNRH*4821A**	45,000	TDR&TXV	13.20		11.00	46,000	3.32	29,800	2.52	8.2	58MVB100–20
	CNRH*4821A**	45,000	TDR&TXV	13.20		11.00	46,000	3.30	29,800	2.52	8.2	58MVB120–20
	CNRH*6024A**	46,000	TDR&TXV	13.50		11.20	46,000	3.32	29,800	2.56	8.2	58CV(A,X)090–16
	CNRH*6024A**	46,500	TDR&TXV	13.50		11.20	46,000	3.34	29,600	2.56	8.2	58CV(A,X)110–20
	CNRH*6024A**	46,500	TDR&TXV	13.50		11.20	46,000	3.36	29,600	2.58	8.3	58CV(A,X)135–22
	CNRH*6024A**	46,500	TDR&TXV	13.50		11.20	45,500	3.40	29,400	2.60	8.3	58CV(A,X)155–22
	CNRH*6024A**	46,000	TDR&TXV	13.20		11.00	46,000	3.30	29,800	2.54	8.2	58MVB080–20
	CNRH*6024A**	46,000	TDR&TXV	13.50		11.20	46,000	3.32	29,800	2.56	8.2	58MVB100–20
	CNRH*6024A**	46,000	TDR&TXV	13.50		11.20	46,000	3.32	29,800	2.56	8.2	58MVB120–20
	CNRV*4821A**	45,000	TDR&TXV	13.20		11.00	46,000	3.34	29,600	2.54	8.2	58CV(A,X)110–20
	CNRV*4821A**	45,000	TDR&TXV	13.00		10.80	46,000	3.30	29,800	2.52	8.1	58MVB080–20
	CNRV*4821A**	45,000	TDR&TXV	13.20		11.00	46,000	3.32	29,800	2.52	8.2	58MVB100–20
	CNRV*4821A**	45,000	TDR&TXV	13.00		10.80	46,000	3.30	29,800	2.52	8.1	58UVB080–20
	CNRV*4821A**	45,000	TDR&TXV	13.20		11.00	46,000	3.32	29,800	2.52	8.2	58UVB100–20
	CNRV*4824A**	45,500	TDR&TXV	13.50		11.20	45,000	3.36	29,600	2.56	8.3	58CV(A,X)135–22
	CNRV*4824A**	45,500	TDR&TXV	13.50		11.20	45,500	3.38	29,400	2.58	8.3	58CV(A,X)155–22
	CNRV*4824A**	45,000	TDR&TXV	13.20		11.00	46,000	3.30	29,800	2.52	8.2	58MVB120–20
	CNRV*4824A**	45,000	TDR&TXV	13.20		11.00	46,000	3.30	29,800	2.52	8.2	58UVB120–20
	CNRV*6024A**	46,500	TDR&TXV	13.50		11.20	46,000	3.36	29,600	2.58	8.3	58CV(A,X)135–22
	CNRV*6024A**	46,500	TDR&TXV	13.50		11.20	45,500	3.40	29,400	2.60	8.3	58CV(A,X)155–22
	CNRV*6024A**	46,000	TDR&TXV	13.50		11.20	46,000	3.32	29,800	2.56	8.2	58MVB120–20
	CNRV*6024A**	46,000	TDR&TXV	13.50		11.20	46,000	3.32	29,800	2.56	8.2	58UVB120–20
	CSRH*4812A**	45,000	TDR&TXV	13.20		11.00	46,000	3.34	29,800	2.54	8.2	58CV(A,X)090–16
	CSRH*4812A**	45,000	TDR&TXV	13.20		11.00	46,000	3.36	29,800	2.54	8.3	58CV(A,X)110–20
	CSRH*4812A**	45,500	TDR&TXV	13.50		11.20	46,000	3.38	29,800	2.56	8.3	58CV(A,X)135–22
	CSRH*4812A**	45,500	TDR&TXV	13.50		11.20	45,500	3.40	29,600	2.58	8.4	58CV(A,X)155–22
	CSRH*4812A**	45,000	TDR&TXV	13.00		10.80	46,000	3.32	30,000	2.52	8.2	58MVB080–20
	CSRH*4812A**	45,000	TDR&TXV	13.20		11.00	46,000	3.34	30,000	2.54	8.2	58MVB100–20
	CSRH*4812A**	45,000	TDR&TXV	13.20		11.00	46,000	3.34	29,800	2.54	8.2	58MVB120–20
	CSRH*6012A**	46,000	TDR&TXV	13.50		11.20	46,000	3.38	29,800	2.58	8.3	58CV(A,X)090–16
	CSRH*6012A**	46,000	TDR&TXV	13.50		11.20	46,000	3.40	29,800	2.58	8.4	58CV(A,X)110–20
	CSRH*6012A**	46,500	TDR&TXV	13.50		11.20	46,000	3.44	29,600	2.60	8.4	58CV(A,X)135–22
	CSRH*6012A**	46,500	TDR&TXV	14.00		11.50	46,000	3.46	29,600	2.62	8.5	58CV(A,X)155–22
	CSRH*6012A**	46,000	TDR&TXV	13.50		11.20	46,000	3.36	30,000	2.56	8.3	58MVB080–20
	CSRH*6012A**	46,000	TDR&TXV	13.50		11.20	46,000	3.38	29,800	2.56	8.3	58MVB100–20
	CSRH*6012A**	46,000	TDR&TXV	13.50		11.20	46,000	3.38	29,800	2.56	8.3	58MVB120–20
	CSRH*6012A**	46,000	TXV			10.80	46,000	3.42	30,800	2.54	8.4	
60–30	*FC4DN(F,B)060	59,000	TDR&TXV	13.00		10.80	60,000	3.50	37,200	2.46	8.1	
	FK4DNB006	58,500	TDR&TXV	13.20		11.00	59,500	3.52	36,400	2.48	8.1	
	CAR**6024A**	58,000	TDR&TXV	13.00		10.80	59,500	3.40	36,400	2.44	7.9	58CV(A,X)155–22
	CNRH*6024A**	57,500	TDR&TXV	13.00		10.80	59,000	3.36	36,200	2.44	7.8	58CV(A,X)155–22
	CNRV*6024A**	57,500	TDR&TXV	13.00		10.80	59,000	3.36	36,200	2.44	7.8	58CV(A,X)155–22
	CSRH*6012A**	57,500	TDR&TXV	13.00		10.80	59,500	3.40	36,400	2.44	7.9	58CV(A,X)135–22
	CSRH*6012A**	58,000	TDR&TXV	13.20		11.00	59,500	3.42	36,400	2.46	7.9	58CV(A,X)155–22

* Tested Combinations

Ratings are net values reflecting the effects of circulating fan heat. Ratings are based on:

Cooling Standard: 80°F (27°C) db 67°F (19°C) wb indoor entering air temperature and 95°F (35°C) db air entering outdoor unit.
High–Temp Heating Standard: 70°F (21°C) db indoor entering air temperature and 47°F (8°C) db 43°F (6°C) wb air entering outdoor unit.
Low–Temp Heating Standard: 70°F (21°C) db indoor entering air temperature and 17°F (±9°C) db 15°F (±10°C) wb air entering outdoor unit.

SEER — Seasonal Energy Efficiency Ratio
COP — Coefficient of Performance
TDR — Time–Delay Relay
HSPF — Heating Seasonal Performance Factor
EER — Energy Efficiency Ratio

DETAILED COOLING CAPACITIES

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES deg °F (°C)																	
		75 (23.9)			85 (29.4)			95 (35)			105 (40.6)			115 (46.1)			125 (51.7)		
CFM	EWB	Capacity MBtuh		Total System KW	Capacity MBtuh		Total System KW	Capacity MBtuh		Total System KW	Capacity MBtuh		Total System KW	Capacity MBtuh		Total System KW	Capacity MBtuh		Total System KW
		Total	Sens		Total	Sens		Total	Sens		Total	Sens		Total	Sens		Total	Sens	
25HCR318C Outdoor Section With FA4CN(F,C)018 Indoor Section																			
525	72	19.93	9.85	1.25	19.22	9.59	1.40	18.48	9.32	1.56	17.70	9.03	1.74	16.88	8.74	1.93	16.02	8.43	2.15
	67	18.11	12.26	1.24	17.44	11.99	1.38	16.74	11.70	1.54	16.01	11.41	1.72	15.24	11.10	1.92	14.43	10.78	2.13
	63	16.80	11.84	1.23	16.16	11.56	1.37	15.50	11.26	1.53	14.80	10.96	1.71	14.07	10.65	1.90	13.30	10.32	2.12
	62	16.50	14.62	1.22	15.89	14.32	1.37	15.25	14.00	1.53	14.59	13.65	1.71	13.89	13.88	1.90	13.25	13.25	2.12
	57	16.02	16.02	1.22	15.52	15.52	1.37	15.00	15.00	1.53	14.45	14.45	1.71	13.87	13.87	1.90	13.25	13.25	2.12
600	72	20.27	10.30	1.28	19.54	10.03	1.43	18.77	9.76	1.59	17.96	9.47	1.77	17.12	9.17	1.97	16.23	8.86	2.18
	67	18.42	13.01	1.27	17.73	12.73	1.41	17.00	12.44	1.57	16.24	12.14	1.75	15.45	11.82	1.95	14.62	11.49	2.16
	63	17.09	12.54	1.26	16.43	12.25	1.40	15.74	11.95	1.56	15.02	11.64	1.74	14.27	11.32	1.94	13.48	10.98	2.15
	62	16.84	15.58	1.26	16.22	15.24	1.40	15.56	15.56	1.56	14.95	14.95	1.74	14.34	14.34	1.94	13.70	13.70	2.15
	57	16.61	16.61	1.25	16.09	16.09	1.40	15.54	15.54	1.56	14.96	14.96	1.74	14.35	14.35	1.94	13.70	13.70	2.15
675	72	20.52	10.72	1.31	19.77	10.45	1.46	18.98	10.18	1.62	18.15	9.89	1.80	17.28	9.59	2.00	16.37	9.27	2.21
	67	18.64	13.73	1.30	17.93	13.44	1.44	17.19	13.14	1.61	16.42	12.83	1.78	15.60	12.51	1.98	14.76	12.17	2.20
	63	17.31	13.20	1.29	16.63	12.91	1.43	15.92	12.60	1.59	15.19	12.28	1.77	14.42	11.95	1.97	13.61	11.60	2.18
	62	17.13	17.13	1.29	16.56	16.56	1.43	15.98	15.98	1.59	15.37	15.37	1.77	14.74	14.74	1.97	14.07	14.07	2.19
	57	17.10	17.10	1.29	16.56	16.56	1.43	15.98	15.98	1.59	15.38	15.38	1.77	14.74	14.74	1.97	14.07	14.07	2.19

Cooling Indoor Model	Capacity	Power	Furnace Model
*FA4CN(F,C)018	1.00	1.00	
FA4CN(F,C)024	1.00	1.00	
FC4DNF018	1.02	0.92	
FC4DNF024	1.03	0.89	
FF1ENE018	0.99	0.99	
FF1ENE024	1.01	1.01	
FK4DNF001	1.02	0.88	
FK4DNF002	1.03	0.89	
CAR**2414A**	1.01	1.01	
CAR**2417A**	1.01	1.01	
CNRF*2418A**	1.02	1.00	
CNRH*2417A**	1.02	1.00	
CNRV*1814A**	1.01	1.01	
CNRV*2414A**	1.02	1.00	
CNRV*2417A**	1.02	1.00	
CSRH*2412A**	1.02	1.00	
CAR**1814A**	0.98	0.88	58CV(A,X)070−12
CAR**2414A**	1.01	0.87	58CV(A,X)070−12
CNRH*2417A**	1.01	0.87	58CV(A,X)070−12
CNRV*1814A**	1.01	0.91	58CV(A,X)070−12
CNRV*2414A**	1.01	0.87	58CV(A,X)070−12
CSRH*2412A**	1.02	0.88	58CV(A,X)070−12
CAR**2417A**	1.01	0.87	58CV(A,X)090−16
CNRH*2417A**	1.02	0.88	58CV(A,X)090−16
CNRV*2417A**	1.02	0.88	58CV(A,X)090−16
CSRH*2412A**	1.02	0.88	58CV(A,X)090−16
CNRH*2417A**	1.01	0.87	58MVB040−14
CSRH*2412A**	1.02	0.88	58MVB040−14
CAR**2417A**	1.01	0.87	58MVB060−14
CNRH*2417A**	1.01	0.87	58MVB060−14
CNRV*2417A**	1.01	0.87	58MVB060−14

Cooling Indoor Model	Capacity	Power	Furnace Model
CSRH*2412A**	1.02	0.88	58MVB060−14
CNRH*2417A**	1.02	0.88	58MVB080−14
CSRH*2412A**	1.02	0.88	58MVB080−14
CAR**2417A**	1.01	0.87	58UVB060−14
CNRV*2417A**	1.01	0.87	58UVB060−14

See notes on page 23

DETAILED COOLING CAPACITIES (CONT.)

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES deg °F (°C)																	
		75 (23.9)			85 (29.4)			95 (35)			105 (40.6)			115 (46.1)			125 (51.7)		
CFM	EWB	Capacity MBtuh		Total System KW	Capacity MBtuh		Total System KW	Capacity MBtuh		Total System KW	Capacity MBtuh		Total System KW	Capacity MBtuh		Total System KW	Capacity MBtuh		Total System KW
		Total	Sens		Total	Sens		Total	Sens		Total	Sens		Total	Sens		Total	Sens	
25HCR324C Outdoor Section With FA4CN(F,C)024 Indoor Section																			
700	72	27.28	14.15	1.66	26.28	13.76	1.86	25.23	13.36	2.07	24.14	12.95	2.31	23.00	12.53	2.57	21.81	12.09	2.85
	67	24.75	17.62	1.66	23.82	17.22	1.85	22.84	16.82	2.06	21.83	16.39	2.30	20.77	15.95	2.55	19.67	15.49	2.83
	63	22.95	17.00	1.65	22.07	16.60	1.84	21.15	16.18	2.05	20.19	15.75	2.29	19.19	15.30	2.54	18.14	14.83	2.82
	62	22.57	21.07	1.65	21.72	20.64	1.84	20.85	20.18	2.05	19.95	19.68	2.29	19.05	19.05	2.54	18.20	18.20	2.82
	57	22.04	22.04	1.65	21.34	21.34	1.84	20.61	20.61	2.05	19.85	19.85	2.29	19.05	19.05	2.54	18.20	18.20	2.82
800	72	27.75	14.81	1.70	26.71	14.42	1.90	25.63	14.02	2.11	24.50	13.61	2.35	23.32	13.18	2.61	22.08	12.73	2.89
	67	25.18	18.74	1.70	24.21	18.33	1.89	23.20	17.92	2.10	22.15	17.48	2.34	21.06	17.03	2.59	19.92	16.56	2.87
	63	23.34	18.04	1.69	22.43	17.63	1.88	21.48	17.20	2.09	20.49	16.76	2.33	19.46	16.30	2.58	18.38	15.82	2.86
	62	23.06	22.49	1.69	22.21	21.99	1.88	21.36	21.36	2.09	20.56	20.56	2.33	19.71	19.71	2.59	18.82	18.82	2.86
	57	22.87	22.87	1.69	22.13	22.13	1.88	21.36	21.36	2.09	20.56	20.56	2.33	19.71	19.71	2.59	18.82	18.82	2.86
900	72	28.10	15.45	1.74	27.03	15.05	1.93	25.91	14.64	2.15	24.75	14.23	2.39	23.54	13.79	2.64	22.28	13.34	2.93
	67	25.49	19.80	1.73	24.50	19.39	1.92	23.46	18.96	2.14	22.39	18.51	2.37	21.27	18.05	2.63	20.11	17.57	2.91
	63	23.64	19.02	1.73	22.71	18.61	1.92	21.73	18.17	2.13	20.72	17.72	2.37	19.66	17.25	2.62	18.57	16.75	2.90
	62	23.56	23.56	1.73	22.79	22.79	1.92	21.98	21.98	2.13	21.14	21.14	2.37	20.26	20.26	2.63	19.33	19.33	2.91
	57	23.56	23.56	1.73	22.79	22.79	1.92	21.99	21.99	2.13	21.14	21.14	2.37	20.26	20.26	2.63	19.33	19.33	2.91

Cooling Indoor Model	Capacity	Power	Furnace Model
*FA4CN(F,C)024	1.00	1.00	
FA4CN(F,C)030	1.02	1.00	
FC4DNF024	1.03	0.92	
FC4DNF030	1.03	0.93	
FF1ENE024	1.01	1.01	
FF1ENE030	1.01	1.01	
FK4DN(B,F)003	1.03	0.89	
FK4DNF001	1.02	0.92	
FK4DNF002	1.03	0.89	
CAR**2414A**	1.01	1.01	
CAR**2417A**	1.01	1.01	
CAR**3014A**	1.02	1.02	
CAR**3017A**	1.02	1.02	
CNRF*2418A**	1.01	1.01	
CNRH*2417A**	1.01	1.01	
CNRH*3017A**	1.02	1.02	
CNRV*2414A**	1.01	1.01	
CNRV*2417A**	1.01	1.01	
CNRV*3014A**	1.02	1.02	
CNRV*3017A**	1.02	1.02	
CSRH*2412A**	1.01	0.99	
CSRH*3012A**	1.02	1.00	
CAR**2414A**	1.01	0.93	58CV(A,X)070-12
CAR**3014A**	1.01	0.93	58CV(A,X)070-12
CNRH*2417A**	1.01	0.93	58CV(A,X)070-12
CNRH*3017A**	1.02	0.94	58CV(A,X)070-12
CNRV*2414A**	1.01	0.93	58CV(A,X)070-12
CNRV*3014A**	1.02	0.94	58CV(A,X)070-12
CSRH*2412A**	1.01	0.93	58CV(A,X)070-12
CSRH*3012A**	1.01	0.93	58CV(A,X)070-12
CAR**2417A**	1.01	0.93	58CV(A,X)090-16
CAR**3017A**	1.02	0.94	58CV(A,X)090-16
CNRH*2417A**	1.01	0.93	58CV(A,X)090-16

Cooling Indoor Model	Capacity	Power	Furnace Model
CNRH*3017A**	1.02	0.94	58CV(A,X)090-16
CNRV*2417A**	1.01	0.93	58CV(A,X)090-16
CNRV*3017A**	1.02	0.94	58CV(A,X)090-16
CSRH*2412A**	1.01	0.93	58CV(A,X)090-16
CSRH*3012A**	1.02	0.94	58CV(A,X)090-16
CNRH*2417A**	1.01	0.93	58CV(A,X)110-20
CNRH*3017A**	1.02	0.94	58CV(A,X)110-20
CSRH*2412A**	1.01	0.93	58CV(A,X)110-20
CSRH*3012A**	1.02	0.94	58CV(A,X)110-20
CNRH*2417A**	1.01	0.93	58CV(A,X)135-22
CNRH*3017A**	1.02	0.94	58CV(A,X)135-22
CSRH*2412A**	1.01	0.93	58CV(A,X)135-22
CSRH*3012A**	1.02	0.94	58CV(A,X)135-22
CNRH*2417A**	1.01	0.93	58CV(A,X)155-22
CNRH*3017A**	1.02	0.94	58CV(A,X)155-22
CSRH*2412A**	1.01	0.93	58CV(A,X)155-22
CSRH*3012A**	1.02	0.94	58CV(A,X)155-22
CNRH*2417A**	1.01	0.93	58MVB040-14
CNRH*3017A**	1.02	0.94	58MVB040-14
CSRH*2412A**	1.01	0.93	58MVB040-14
CSRH*3012A**	1.02	0.94	58MVB040-14
CAR**2417A**	1.01	0.93	58MVB060-14
CAR**3017A**	1.02	0.94	58MVB060-14
CNRH*2417A**	1.01	0.93	58MVB060-14
CNRH*3017A**	1.02	0.94	58MVB060-14
CNRV*2417A**	1.01	0.93	58MVB060-14
CNRV*3017A**	1.02	0.94	58MVB060-14
CSRH*2412A**	1.01	0.93	58MVB060-14
CSRH*3012A**	1.01	0.93	58MVB060-14
CNRH*2417A**	1.01	0.93	58MVB080-14
CNRH*3017A**	1.02	0.94	58MVB080-14
CSRH*2412A**	1.01	0.93	58MVB080-14
CSRH*3012A**	1.02	0.94	58MVB080-14

Cooling Indoor Model	Capacity	Power	Furnace Model
CNRH*2417A**	1.01	0.93	58MVB080-20
CNRH*3017A**	1.02	0.94	58MVB080-20
CSRH*2412A**	1.01	0.93	58MVB080-20
CSRH*3012A**	1.02	0.94	58MVB080-20
CNRH*2417A**	1.01	0.93	58MVB100-20
CNRH*3017A**	1.02	0.94	58MVB100-20
CSRH*2412A**	1.01	0.93	58MVB100-20
CSRH*3012A**	1.02	0.94	58MVB100-20
CNRH*2417A**	1.01	0.95	58MVB120-20
CNRH*3017A**	1.02	0.94	58MVB120-20
CSRH*2412A**	1.00	0.92	58MVB120-20
CSRH*3012A**	1.01	0.93	58MVB120-20
CAR**2417A**	1.01	0.93	58UVB060-14
CAR**3017A**	1.02	0.94	58UVB060-14
CNRV*2417A**	1.01	0.93	58UVB060-14
CNRV*3017A**	1.02	0.94	58UVB060-14

See notes on page 23

DETAILED COOLING CAPACITIES (CONT.)

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES deg ˚F (˚C)																	
		75 (23.9)			85 (29.4)			95 (35)			105 (40.6)			115 (46.1)			125 (51.7)		
CFM	EWB	Capacity MBtuh		Total System KW	Capacity MBtuh		Total System KW	Capacity MBtuh		Total System KW	Capacity MBtuh		Total System KW	Capacity MBtuh		Total System KW	Capacity MBtuh		Total System KW
		Total	Sens		Total	Sens		Total	Sens		Total	Sens		Total	Sens		Total	Sens	
25HCR330C Outdoor Section With FC4DNF030 Indoor Section																			
875	72	33.71	17.70	2.10	32.43	17.20	2.35	31.12	16.69	2.63	29.78	16.17	2.95	28.37	15.64	3.29	26.90	15.08	3.66
	67	30.73	21.88	2.10	29.54	21.37	2.36	28.32	20.84	2.64	27.07	20.31	2.95	25.76	19.75	3.29	24.38	19.17	3.66
	63	28.57	21.16	2.11	27.45	20.64	2.36	26.30	20.11	2.64	25.11	19.56	2.95	23.86	18.99	3.29	22.55	18.40	3.65
	62	28.09	26.01	2.11	27.01	25.45	2.36	25.91	24.87	2.64	24.78	24.26	2.95	23.61	23.58	3.29	22.45	22.45	3.65
	57	27.22	27.22	2.11	26.34	26.34	2.36	25.44	25.44	2.64	24.49	24.49	2.95	23.50	23.50	3.29	22.45	22.45	3.65
1000	72	34.33	18.52	2.12	32.99	18.01	2.38	31.63	17.49	2.66	30.24	16.97	2.97	28.79	16.43	3.32	27.27	15.87	3.69
	67	31.30	23.22	2.13	30.07	22.70	2.38	28.80	22.16	2.67	27.51	21.62	2.98	26.15	21.05	3.32	24.74	20.45	3.69
	63	29.11	22.42	2.14	27.95	21.89	2.39	26.76	21.34	2.67	25.53	20.79	2.98	24.25	20.20	3.32	22.90	19.60	3.68
	62	28.72	27.74	2.14	27.62	27.13	2.39	26.51	26.47	2.67	25.39	25.39	2.98	24.33	24.33	3.32	23.23	23.23	3.69
	57	28.26	28.26	2.14	27.34	27.34	2.39	26.38	26.38	2.67	25.39	25.39	2.98	24.34	24.34	3.32	23.23	23.23	3.69
1125	72	34.80	19.31	2.15	33.43	18.79	2.40	32.03	18.27	2.69	30.60	17.74	3.00	29.11	17.20	3.35	27.55	16.63	3.72
	67	31.75	24.52	2.16	30.48	23.99	2.41	29.17	23.44	2.69	27.85	22.88	3.01	26.46	22.29	3.35	25.02	21.68	3.72
	63	29.54	23.63	2.16	28.35	23.09	2.42	27.13	22.54	2.70	25.87	21.96	3.01	24.55	21.37	3.35	23.18	20.74	3.71
	62	29.28	29.25	2.16	28.19	28.19	2.42	27.16	27.16	2.70	26.13	26.13	3.01	25.03	25.03	3.35	23.88	23.88	3.72
	57	29.14	29.14	2.16	28.17	28.17	2.42	27.17	27.17	2.70	26.13	26.13	3.01	25.04	25.04	3.35	23.89	23.89	3.72

Cooling Indoor Model	Capacity	Power	Furnace Model
*FC4DNF030	1.00	1.00	
FC4DN(F,B)036	1.01	1.01	
FK4DN(B,F)003	1.00	0.96	
FK4DNF001	0.99	0.99	
FK4DNF002	1.00	0.98	
CAR**3014A**	0.99	0.99	58CV(A,X)070−12
CAR**3614A**	0.99	0.99	58CV(A,X)070−12
CNRH*3017A**	0.99	0.99	58CV(A,X)070−12
CNRH*3617A**	0.99	0.99	58CV(A,X)070−12
CNRV*3014A**	0.99	0.99	58CV(A,X)070−12
CSRH*3012A**	0.99	0.99	58CV(A,X)070−12
CSRH*3612A**	1.01	1.00	58CV(A,X)070−12
CAR**3017A**	0.99	0.97	58CV(A,X)090−16
CAR**3617A**	0.99	0.98	58CV(A,X)090−16
CNRH*3017A**	0.99	0.98	58CV(A,X)090−16
CNRH*3617A**	0.99	0.98	58CV(A,X)090−16
CNRV*3017A**	0.99	0.98	58CV(A,X)090−16
CNRV*3617A**	0.99	0.99	58CV(A,X)090−16
CSRH*3012A**	0.99	0.98	58CV(A,X)090−16
CSRH*3612A**	1.01	0.98	58CV(A,X)090−16
CAR**3621A**	1.00	0.98	58CV(A,X)110−20
CNRH*3017A**	0.99	0.99	58CV(A,X)110−20
CNRH*3617A**	0.99	0.98	58CV(A,X)110−20
CNRV*3621A**	0.99	0.98	58CV(A,X)110−20
CSRH*3012A**	1.00	0.98	58CV(A,X)110−20
CSRH*3612A**	1.02	0.98	58CV(A,X)110−20
CNRH*3017A**	0.99	0.98	58CV(A,X)135−22
CNRH*3617A**	0.99	0.98	58CV(A,X)135−22
CSRH*3012A**	1.00	0.98	58CV(A,X)135−22
CSRH*3612A**	1.02	0.98	58CV(A,X)135−22
CNRH*3017A**	0.99	0.98	58CV(A,X)155−22
CNRH*3617A**	0.99	0.98	58CV(A,X)155−22
CSRH*3012A**	1.00	0.98	58CV(A,X)155−22
CSRH*3612A**	1.02	0.98	58CV(A,X)155−22
CNRH*3017A**	0.99	0.99	58MVB040−14
CNRH*3617A**	0.99	0.99	58MVB040−14
CSRH*3012A**	0.99	0.99	58MVB040−14
CSRH*3612A**	1.01	1.00	58MVB040−14
CAR**3017A**	0.99	0.99	58MVB060−14
CAR**3617A**	0.99	0.98	58MVB060−14
CNRH*3017A**	0.99	0.99	58MVB060−14
CNRH*3617A**	0.99	0.99	58MVB060−14
CNRV*3017A**	0.99	0.99	58MVB060−14
CNRV*3617A**	0.99	0.99	58MVB060−14
CSRH*3012A**	0.99	0.99	58MVB060−14
CSRH*3612A**	1.01	1.00	58MVB060−14
CNRH*3017A**	0.99	0.99	58MVB080−14
CNRH*3617A**	0.99	0.99	58MVB080−14
CNRV*3621A**	0.99	0.99	58MVB080−14
CSRH*3012A**	0.99	0.99	58MVB080−14
CSRH*3612A**	1.01	1.00	58MVB080−14
CAR**3621A**	0.99	0.98	58MVB080−20
CNRH*3017A**	0.99	0.99	58MVB080−20
CNRH*3617A**	0.99	0.99	58MVB080−20
CNRV*3621A**	0.99	0.99	58MVB080−20
CSRH*3012A**	0.99	0.99	58MVB080−20
CSRH*3612A**	1.01	1.00	58MVB080−20
CAR**3621A**	0.99	0.98	58MVB100−20
CNRH*3017A**	0.99	0.99	58MVB100−20
CNRH*3617A**	0.99	0.99	58MVB100−20
CNRV*3621A**	0.99	0.99	58MVB100−20
CSRH*3012A**	0.99	0.98	58MVB100−20
CSRH*3612A**	1.01	0.98	58MVB100−20
CNRH*3017A**	0.99	0.97	58MVB120−20
CNRH*3617A**	0.99	0.97	58MVB120−20
CSRH*3012A**	0.99	0.98	58MVB120−20
CSRH*3612A**	1.01	0.98	58MVB120−20
CAR**3017A**	0.99	0.99	58UVB060−14
CAR**3617A**	0.99	0.98	58UVB060−14
CAR**3621A**	0.99	0.98	58UVB080−20
CAR**3621A**	0.99	0.98	58UVB100−20
CNRV*3017A**	0.99	0.99	58UVB060−14
CNRV*3617A**	0.99	0.99	58UVB060−14
CNRV*3621A**	0.99	0.99	58UVB080−14
CNRV*3621A**	0.99	0.99	58UVB080−20
CNRV*3621A**	0.99	0.99	58UVB100−20

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DETAILED COOLING CAPACITIES (CONT.)

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES deg °F (°C)																	
		75 (23.9)			85 (29.4)			95 (35)			105 (40.6)			115 (46.1)			125 (51.7)		
CFM	EWB	Capacity MBtuh Total	Capacity MBtuh Sens	Total System KW	Capacity MBtuh Total	Capacity MBtuh Sens	Total System KW	Capacity MBtuh Total	Capacity MBtuh Sens	Total System KW	Capacity MBtuh Total	Capacity MBtuh Sens	Total System KW	Capacity MBtuh Total	Capacity MBtuh Sens	Total System KW	Capacity MBtuh Total	Capacity MBtuh Sens	Total System KW
25HCR336C30 Outdoor Section With FC4DN(F,B)036 Indoor Section																			
1050	72	40.55	21.23	2.54	39.05	20.65	2.81	37.51	20.07	3.11	35.91	19.46	3.44	34.23	18.83	3.80	32.48	18.19	4.19
	67	36.85	26.34	2.51	35.47	25.75	2.78	34.04	25.14	3.08	32.55	24.52	3.41	31.00	23.87	3.77	29.38	23.19	4.16
	63	34.20	25.42	2.50	32.90	24.82	2.76	31.55	24.21	3.06	30.15	23.58	3.39	28.68	22.92	3.75	27.15	22.23	4.13
	62	33.67	31.35	2.49	32.43	30.70	2.76	31.15	30.01	3.06	29.83	29.27	3.39	28.47	28.47	3.74	27.21	27.21	4.13
	57	32.84	32.84	2.49	31.82	31.82	2.76	30.75	30.75	3.06	29.63	29.63	3.38	28.45	28.45	3.74	27.22	27.22	4.13
1200	72	41.27	22.23	2.58	39.72	21.65	2.84	38.12	21.06	3.15	36.46	20.44	3.48	34.73	19.81	3.84	32.92	19.15	4.23
	67	37.51	27.97	2.55	36.08	27.37	2.82	34.60	26.76	3.12	33.06	26.12	3.45	31.46	25.45	3.81	29.80	24.76	4.20
	63	34.83	26.95	2.54	33.48	26.34	2.80	32.09	25.72	3.10	30.64	25.07	3.43	29.13	24.39	3.79	27.56	23.68	4.17
	62	34.43	33.40	2.53	33.18	32.66	2.80	31.89	31.89	3.10	30.69	30.69	3.43	29.45	29.45	3.79	28.14	28.14	4.18
	57	34.08	34.08	2.53	33.00	33.00	2.80	31.87	31.87	3.10	30.69	30.69	3.43	29.45	29.45	3.79	28.15	28.15	4.18
1350	72	41.84	23.20	2.61	40.24	22.61	2.88	38.60	22.01	3.18	36.89	21.39	3.52	35.11	20.75	3.88	33.26	20.09	4.27
	67	38.04	29.56	2.59	36.57	28.95	2.86	35.05	28.31	3.16	33.47	27.66	3.49	31.83	26.97	3.85	30.13	26.25	4.24
	63	35.33	28.43	2.57	33.95	27.81	2.84	32.52	27.17	3.14	31.03	26.50	3.47	29.49	25.80	3.82	27.89	25.07	4.21
	62	35.14	35.14	2.57	33.98	33.98	2.84	32.80	32.80	3.14	31.57	31.57	3.47	30.27	30.27	3.83	28.91	28.91	4.22
	57	35.11	35.11	2.57	33.98	33.98	2.84	32.81	32.81	3.14	31.57	31.57	3.47	30.28	30.28	3.83	28.92	28.92	4.23

Cooling Indoor Model	Capacity	Power	Furnace Model
*FC4DN(F,B)036	1.00	1.00	
FC4DN(F,B)042	1.02	1.00	
FK4DNF002	0.98	0.98	
FK4DNF003	0.99	0.95	
CAR**3614A**	0.95	0.95	58CV(A,X)070−12
CNRH*3617A**	0.98	0.98	58CV(A,X)070−12
CNRH*4221A**	0.99	0.97	58CV(A,X)070−12
CSRH*3612A**	0.97	0.95	58CV(A,X)070−12
CSRH*4212A**	0.99	0.97	58CV(A,X)070−12
CAR**3617A**	0.98	0.96	58CV(A,X)090−16
CNRH*3617A**	0.98	0.98	58CV(A,X)090−16
CNRH*4221A**	0.99	0.96	58CV(A,X)090−16
CNRV*3617A**	0.98	0.98	58CV(A,X)090−16
CSRH*3612A**	0.98	0.95	58CV(A,X)090−16
CSRH*4212A**	0.99	0.95	58CV(A,X)090−16
CAR**3621A**	0.98	0.96	58CV(A,X)110−20
CAR**4221A**	0.99	0.98	58CV(A,X)110−20
CNRH*3617A**	0.98	0.98	58CV(A,X)110−20
CNRH*4221A**	1.00	0.96	58CV(A,X)110−20
CNRV*3621A**	0.98	0.98	58CV(A,X)110−20
CNRV*4221A**	1.00	0.96	58CV(A,X)110−20
CSRH*3612A**	0.98	0.95	58CV(A,X)110−20
CSRH*4212A**	0.99	0.96	58CV(A,X)110−20
CAR**4224A**	0.99	0.96	58CV(A,X)135−22
CNRH*3617A**	0.98	0.98	58CV(A,X)135−22
CNRH*4221A**	1.00	0.96	58CV(A,X)135−22
CSRH*3612A**	0.98	0.95	58CV(A,X)135−22
CSRH*4212A**	0.99	0.96	58CV(A,X)135−22
CAR**4224A**	0.99	0.96	58CV(A,X)155−22
CNRH*3617A**	0.98	0.96	58CV(A,X)155−22
CNRH*4221A**	1.00	0.96	58CV(A,X)155−22
CSRH*3612A**	0.98	0.95	58CV(A,X)155−22
CSRH*4212A**	0.99	0.93	58CV(A,X)155−22
CAR**4224A**	0.99	0.99	58MVB040−14

Cooling Indoor Model	Capacity	Power	Furnace Model
CNRH*3617A**	0.97	0.97	58MVB040−14
CNRH*4221A**	0.99	0.97	58MVB040−14
CSRH*3612A**	0.97	0.95	58MVB040−14
CSRH*4212A**	0.98	0.96	58MVB040−14
CAR**3617A**	0.98	0.98	58MVB060−14
CNRH*3617A**	0.98	0.98	58MVB060−14
CNRH*4221A**	0.99	0.96	58MVB060−14
CNRV*3617A**	0.98	0.98	58MVB060−14
CSRH*3612A**	0.98	0.96	58MVB060−14
CSRH*4212A**	0.99	0.95	58MVB060−14
CAR**3621A**	0.98	0.98	58MVB080−14
CAR**4221A**	0.98	0.98	58MVB080−14
CNRH*4221A**	0.99	0.97	58MVB080−14
CNRV*4221A**	0.99	0.97	58MVB080−14
CSRH*3612A**	0.97	0.97	58MVB080−14
CSRH*4212A**	0.98	0.96	58MVB080−14
CAR**3621A**	0.98	0.98	58MVB080−20
CAR**4221A**	0.99	0.97	58MVB080−20
CNRH*3617A**	0.98	0.98	58MVB080−20
CNRH*4221A**	0.99	0.98	58MVB080−20
CNRV*3621A**	0.98	0.98	58MVB080−20
CNRV*4221A**	0.99	0.98	58MVB080−20
CSRH*3612A**	0.98	0.96	58MVB080−20
CSRH*4212A**	0.99	0.95	58MVB080−20
CAR**3621A**	0.98	0.96	58MVB100−20
CAR**4221A**	0.99	0.97	58MVB100−20
CNRH*3617A**	0.98	0.98	58MVB100−20
CNRH*4221A**	0.99	0.96	58MVB100−20
CNRV*3621A**	0.98	0.98	58MVB100−20
CNRV*4221A**	0.99	0.96	58MVB100−20
CSRH*3612A**	0.98	0.96	58MVB100−20
CSRH*4212A**	0.99	0.95	58MVB100−20
CAR**4224A**	0.99	0.97	58MVB120−20
CNRH*3617A**	0.98	0.98	58MVB120−20

Cooling Indoor Model	Capacity	Power	Furnace Model
CNRH*4221A**	0.99	0.96	58MVB120−20
CSRH*3612A**	0.98	0.96	58MVB120−20
CSRH*4212A**	0.99	0.95	58MVB120−20
CAR**3617A**	0.98	0.98	58UVB060−14
CNRV*3617A**	0.98	0.98	58UVB060−14
CAR**3621A**	0.98	0.98	58UVB080−14
CAR**4221A**	0.98	0.98	58UVB080−14
CNRV*4221A**	0.99	0.97	58UVB080−14
CAR**3621A**	0.98	0.98	58UVB080−20
CAR**4221A**	0.99	0.97	58UVB080−20
CNRV*3621A**	0.98	0.98	58UVB080−20
CNRV*4221A**	0.99	0.98	58UVB080−20
CAR**3621A**	0.98	0.96	58UVB100−20
CAR**4221A**	0.99	0.97	58UVB100−20
CNRV*3621A**	0.98	0.98	58UVB100−20
CNRV*4221A**	0.99	0.96	58UVB100−20
CAR**4224A**	0.99	0.97	58UVB120−20

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DETAILED COOLING CAPACITIES (CONT.)

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES deg °F (°C)																	
		75 (23.9)			85 (29.4)			95 (35)			105 (40.6)			115 (46.1)			125 (51.7)		
CFM	EWB	Capacity MBtuh Total	Capacity MBtuh Sens	Total System KW	Capacity MBtuh Total	Capacity MBtuh Sens	Total System KW	Capacity MBtuh Total	Capacity MBtuh Sens	Total System KW	Capacity MBtuh Total	Capacity MBtuh Sens	Total System KW	Capacity MBtuh Total	Capacity MBtuh Sens	Total System KW	Capacity MBtuh Total	Capacity MBtuh Sens	Total System KW
25HCR342C Outdoor Section With FC4DN(F,B)042 Indoor Section																			
1225	72	48.00	25.34	3.06	46.19	24.62	3.37	44.32	23.88	3.71	42.41	23.14	4.08	40.44	22.38	4.50	38.42	21.61	4.96
	67	43.74	31.37	3.03	42.06	30.62	3.33	40.33	29.86	3.67	38.56	29.10	4.04	36.74	28.32	4.46	34.89	27.54	4.91
	63	40.58	30.29	3.00	39.00	29.54	3.30	37.38	28.78	3.64	35.72	28.01	4.01	34.03	27.23	4.42	32.30	26.45	4.88
	62	39.85	37.28	3.00	38.32	36.49	3.30	36.76	35.67	3.63	35.19	34.82	4.01	33.60	33.91	4.42	32.06	32.06	4.88
	57	38.59	38.59	2.99	37.36	37.36	3.29	36.09	36.09	3.63	34.78	34.78	4.00	33.44	33.44	4.42	32.06	32.06	4.88
1400	72	48.86	26.50	3.12	46.97	25.77	3.43	45.04	25.03	3.77	43.06	24.28	4.14	41.02	23.51	4.56	38.93	22.73	5.02
	67	44.55	33.29	3.09	42.80	32.54	3.39	41.00	31.76	3.73	39.16	30.98	4.10	37.28	30.19	4.52	35.37	29.38	4.97
	63	41.37	32.11	3.06	39.72	31.34	3.36	38.03	30.57	3.70	36.31	29.78	4.07	34.56	28.98	4.48	32.78	28.17	4.94
	62	40.75	39.81	3.06	39.19	38.95	3.36	37.61	38.00	3.69	36.07	36.07	4.07	34.64	34.64	4.48	33.17	33.17	4.94
	57	40.11	40.11	3.05	38.80	38.80	3.35	37.45	37.45	3.69	36.07	36.07	4.07	34.64	34.64	4.48	33.17	33.17	4.94
1575	72	49.50	27.60	3.18	47.56	26.87	3.48	45.57	26.12	3.82	43.54	25.35	4.20	41.44	24.58	4.62	39.29	23.79	5.08
	67	45.15	35.12	3.14	43.35	34.35	3.45	41.49	33.57	3.78	39.61	32.77	4.16	37.68	31.96	4.57	35.72	31.13	5.03
	63	41.97	33.83	3.12	40.28	33.05	3.42	38.53	32.26	3.75	36.76	31.45	4.13	34.97	30.63	4.54	33.14	29.80	5.00
	62	41.56	41.99	3.11	40.02	40.02	3.42	38.58	38.58	3.76	37.12	37.12	4.13	35.63	35.63	4.55	34.09	34.09	5.01
	57	41.38	41.38	3.11	40.01	40.01	3.42	38.59	38.59	3.76	37.13	37.13	4.13	35.63	35.63	4.55	34.09	34.09	5.01

Cooling Indoor Model	Capacity	Power	Furnace Model
*FC4DN(F,B)042	1.00	1.00	
CSRH*4812A**	1.01	1.03	
FC4DN(F,B)048	1.02	1.01	
FK4DN(B,F)003	0.98	0.96	
FK4DN(B,F)005	1.01	0.93	
FK4DNB006	1.02	0.94	
CNRH*4221A**	0.96	0.98	58CV(A,X)070−12
CNRH*4821A**	0.99	0.99	58CV(A,X)070−12
CSRH*4212A**	0.99	0.99	58CV(A,X)070−12
CSRH*4812A**	0.99	0.99	58CV(A,X)070−12
CAR**4817A**	1.00	0.98	58CV(A,X)090−16
CNRH*4221A**	0.98	0.98	58CV(A,X)090−16
CNRH*4821A**	0.99	0.97	58CV(A,X)090−16
CSRH*4212A**	0.99	0.97	58CV(A,X)090−16
CSRH*4812A**	1.00	0.98	58CV(A,X)090−16
CAR**4221A**	0.98	0.96	58CV(A,X)110−20
CAR**4821A**	0.99	0.97	58CV(A,X)110−20
CNRH*4221A**	0.98	0.98	58CV(A,X)110−20
CNRH*4821A**	0.99	0.97	58CV(A,X)110−20
CNRV*4221A**	0.98	0.98	58CV(A,X)110−20
CNRV*4821A**	0.99	0.97	58CV(A,X)110−20
CSRH*4212A**	1.00	0.98	58CV(A,X)110−20
CSRH*4812A**	1.00	0.98	58CV(A,X)110−20
CAR**4224A**	0.98	0.96	58CV(A,X)135−22
CAR**4824A**	0.99	0.97	58CV(A,X)135−22
CNRH*4221A**	0.98	0.96	58CV(A,X)135−22
CNRH*4821A**	0.99	0.97	58CV(A,X)135−22
CNRV*4824A**	0.99	0.97	58CV(A,X)135−22
CSRH*4212A**	1.00	0.98	58CV(A,X)135−22
CSRH*4812A**	1.00	0.98	58CV(A,X)135−22
CAR**4224A**	0.98	0.96	58CV(A,X)155−22
CAR**4824A**	0.99	0.97	58CV(A,X)155−22
CNRH*4221A**	0.98	0.96	58CV(A,X)155−22
CNRH*4821A**	0.99	0.94	58CV(A,X)155−22

Cooling Indoor Model	Capacity	Power	Furnace Model
CNRV*4824A**	0.99	0.94	58CV(A,X)155−22
CSRH*4212A**	1.00	0.98	58CV(A,X)155−22
CSRH*4812A**	1.00	0.96	58CV(A,X)155−22
CAR**4224A**	0.96	0.96	58MVB040−14
CAR**4824A**	0.98	0.98	58MVB040−14
CNRH*4221A**	0.96	0.98	58MVB040−14
CNRH*4821A**	0.99	0.99	58MVB040−14
CNRV*4824A**	0.99	0.99	58MVB040−14
CSRH*4212A**	0.99	0.99	58MVB040−14
CSRH*4812A**	0.99	0.99	58MVB040−14
CAR**4817A**	0.99	0.97	58UVB060−14
CAR**4221A**	0.96	0.98	58UVB080−14
CAR**4821A**	0.98	0.96	58UVB080−14
CNRV*4221A**	0.96	0.98	58UVB080−14
CNRV*4821A**	0.99	0.99	58UVB080−14
CAR**4221A**	0.96	0.96	58UVB080−20
CAR**4821A**	0.99	0.99	58UVB080−20
CNRV*4221A**	0.96	0.96	58UVB080−20
CNRV*4821A**	0.99	0.97	58UVB080−20
CAR**4221A**	0.96	0.96	58UVB100−20
CAR**4821A**	0.99	0.97	58UVB100−20
CNRV*4221A**	0.96	0.96	58UVB100−20
CNRV*4821A**	0.99	0.97	58UVB100−20
CAR**4224A**	0.96	0.96	58UVB120−20
CAR**4824A**	0.99	0.97	58UVB120−20
CNRV*4824A**	0.99	0.97	58UVB120−20

See notes on page 23

DETAILED COOLING CAPACITIES (CONT.)

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES deg °F (°C)																	
		75 (23.9)			85 (29.4)			95 (35)			105 (40.6)			115 (46.1)			125 (51.7)		
CFM	EWB	Capacity MBtuh		Total System KW	Capacity MBtuh		Total System KW	Capacity MBtuh		Total System KW	Capacity MBtuh		Total System KW	Capacity MBtuh		Total System KW	Capacity MBtuh		Total System KW
		Total	Sens		Total	Sens		Total	Sens		Total	Sens		Total	Sens		Total	Sens	
25HCR348C30 Outdoor Section With FC4DN(F,B)048 Indoor Section																			
1400	72	56.21	28.99	3.38	54.21	28.21	3.75	52.11	27.40	4.17	49.91	26.56	4.64	47.60	25.69	5.14	45.17	24.78	5.69
	67	50.95	35.73	3.35	49.09	34.93	3.72	47.13	34.09	4.14	45.09	33.23	4.60	42.95	32.33	5.10	40.70	31.39	5.64
	63	47.21	34.48	3.32	45.45	33.67	3.70	43.61	32.83	4.11	41.68	31.95	4.57	39.65	31.04	5.06	37.52	30.09	5.59
	62	46.37	42.45	3.32	44.67	41.60	3.69	42.90	40.70	4.11	41.06	39.73	4.56	39.16	38.67	5.06	37.28	37.28	5.59
	57	44.92	44.92	3.31	43.55	43.55	3.69	42.11	42.11	4.10	40.59	40.59	4.56	38.98	38.98	5.06	37.28	37.28	5.59
1600	72	57.34	30.38	3.44	55.26	29.59	3.82	53.08	28.77	4.24	50.79	27.92	4.70	48.39	27.04	5.21	45.88	26.12	5.76
	67	51.97	37.99	3.41	50.03	37.17	3.78	48.00	36.32	4.20	45.88	35.44	4.66	43.66	34.52	5.16	41.34	33.56	5.70
	63	48.15	36.59	3.38	46.33	35.77	3.76	44.42	34.91	4.17	42.42	34.01	4.63	40.32	33.08	5.12	38.13	32.11	5.66
	62	47.44	45.41	3.38	45.72	44.48	3.76	43.94	43.45	4.17	42.15	42.15	4.63	40.45	40.45	5.13	38.66	38.66	5.67
	57	46.73	46.73	3.38	45.28	45.28	3.75	43.76	43.76	4.17	42.15	42.15	4.63	40.46	40.46	5.13	38.67	38.67	5.67
1800	72	58.21	31.70	3.50	56.06	30.90	3.88	53.81	30.07	4.30	51.45	29.21	4.76	48.99	28.32	5.27	46.41	27.39	5.82
	67	52.75	40.15	3.47	50.75	39.31	3.84	48.66	38.45	4.26	46.48	37.55	4.72	44.21	36.61	5.22	41.83	35.62	5.77
	63	48.88	38.60	3.44	47.00	37.76	3.82	45.04	36.88	4.23	42.99	35.97	4.69	40.84	35.01	5.19	38.60	34.01	5.72
	62	48.48	47.87	3.44	46.75	46.75	3.82	45.14	45.14	4.24	43.46	43.46	4.70	41.69	41.69	5.20	39.82	39.82	5.74
	57	48.26	48.26	3.44	46.74	46.74	3.82	45.14	45.14	4.24	43.46	43.46	4.70	41.69	41.69	5.20	39.82	39.82	5.74

Cooling Indoor Model	Capa-city	Power	Furnace Model
*FC4DN(F,B)048	1.00	1.00	
CSRH*6012A**	0.98	0.98	
FK4DNB006	1.01	0.95	
FK4DNF005	0.99	0.95	
CAR**4817A**	0.94	0.92	58CV(A,X)090−16
CNRH*4821A**	0.96	0.94	58CV(A,X)090−16
CNRH*6024A**	0.98	0.94	58CV(A,X)090−16
CSRH*4812A**	0.96	0.94	58CV(A,X)090−16
CSRH*6012A**	0.98	0.94	58CV(A,X)090−16
CAR**4821A**	0.96	0.94	58CV(A,X)110−20
CAR**6021A**	0.99	0.95	58CV(A,X)110−20
CNRH*4821A**	0.97	0.95	58CV(A,X)110−20
CNRH*6024A**	0.99	0.95	58CV(A,X)110−20
CNRV*4821A**	0.96	0.94	58CV(A,X)110−20
CSRH*4812A**	0.96	0.94	58CV(A,X)110−20
CSRH*6012A**	0.98	0.94	58CV(A,X)110−20
CAR**4824A**	0.97	0.93	58CV(A,X)135−22
CAR**6024A**	0.99	0.95	58CV(A,X)135−22
CNRH*4821A**	0.97	0.93	58CV(A,X)135−22
CNRH*6024A**	0.99	0.95	58CV(A,X)135−22
CNRV*4824A**	0.97	0.93	58CV(A,X)135−22
CNRV*6024A**	0.99	0.95	58CV(A,X)135−22
CSRH*4812A**	0.97	0.93	58CV(A,X)135−22
CSRH*6012A**	0.99	0.95	58CV(A,X)135−22
CAR**4824A**	0.97	0.93	58CV(A,X)155−22
CAR**6024A**	0.99	0.93	58CV(A,X)155−22
CNRH*4821A**	0.97	0.93	58CV(A,X)155−22
CNRH*6024A**	0.99	0.95	58CV(A,X)155−22
CNRV*4824A**	0.97	0.93	58CV(A,X)155−22
CNRV*6024A**	0.99	0.95	58CV(A,X)155−22
CSRH*4812A**	0.97	0.93	58CV(A,X)155−22
CSRH*6012A**	0.99	0.93	58CV(A,X)155−22
CAR**4821A**	0.96	0.96	58MVB080−20
CAR**6021A**	0.98	0.96	58MVB080−20

Cooling Indoor Model	Capa-city	Power	Furnace Model
CNRH*4821A**	0.96	0.96	58MVB080−20
CNRH*6024A**	0.98	0.96	58MVB080−20
CNRV*4821A**	0.96	0.96	58MVB080−20
CSRH*4812A**	0.96	0.96	58MVB080−20
CSRH*6012A**	0.98	0.94	58MVB080−20
CAR**4821A**	0.96	0.96	58MVB100−20
CAR**6021A**	0.99	0.95	58MVB100−20
CNRH*4821A**	0.96	0.94	58MVB100−20
CNRH*6024A**	0.98	0.94	58MVB100−20
CNRV*4821A**	0.96	0.94	58MVB100−20
CSRH*4812A**	0.96	0.94	58MVB100−20
CSRH*6012A**	0.98	0.94	58MVB100−20
CAR**4824A**	0.96	0.94	58MVB120−20
CAR**6024A**	0.98	0.94	58MVB120−20
CNRH*4821A**	0.96	0.94	58MVB120−20
CNRH*6024A**	0.98	0.94	58MVB120−20
CNRV*4824A**	0.96	0.94	58MVB120−20
CNRV*6024A**	0.98	0.94	58MVB120−20
CSRH*4812A**	0.96	0.94	58MVB120−20
CSRH*6012A**	0.98	0.94	58MVB120−20
CAR**4821A**	0.96	0.96	58UVB080−20
CAR**6021A**	0.98	0.96	58UVB080−20
CNRV*4821A**	0.96	0.96	58UVB080−20
CAR**4821A**	0.96	0.96	58UVB100−20
CAR**6021A**	0.99	0.95	58UVB100−20
CNRV*4821A**	0.96	0.94	58UVB100−20
CAR**4824A**	0.96	0.94	58UVB120−20
CAR**6024A**	0.98	0.94	58UVB120−20
CNRV*4824A**	0.96	0.94	58UVB120−20
CNRV*6024A**	0.98	0.94	58UVB120−20

See notes on page 23

DETAILED COOLING CAPACITIES (CONT.)

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES deg °F (°C)																	
		75 (23.9)			85 (29.4)			95 (35)			105 (40.6)			115 (46.1)			125 (51.7)		
CFM	EWB	Capacity MBtuh		Total System KW	Capacity MBtuh		Total System KW	Capacity MBtuh		Total System KW	Capacity MBtuh		Total System KW	Capacity MBtuh		Total System KW	Capacity MBtuh		Total System KW
		Total	Sens		Total	Sens		Total	Sens		Total	Sens		Total	Sens		Total	Sens	
25HCR360C30 Outdoor Section With FC4DN(F,B)060 Indoor Section																			
1750	72	69.08	35.57	4.41	66.46	34.55	4.82	63.76	33.51	5.28	60.98	32.46	5.79	58.07	31.36	6.35	55.03	30.23	6.95
	67	63.00	44.16	4.34	60.58	43.11	4.75	58.07	42.04	5.21	55.49	40.95	5.72	52.81	39.83	6.27	50.00	38.66	6.87
	63	58.60	42.72	4.29	56.33	41.68	4.71	0.00	0.00	0.00	51.56	39.50	5.67	49.03	38.37	6.21	46.39	37.19	6.81
	62	57.53	52.69	4.28	55.33	51.59	4.70	53.07	50.45	5.15	50.75	49.24	5.66	48.37	47.91	6.21	46.07	46.07	6.80
	57	55.75	55.75	4.27	53.98	53.98	4.68	52.14	52.14	5.14	50.22	50.22	5.65	48.20	48.20	6.20	46.08	46.08	6.80
2000	72	70.29	37.22	4.50	67.57	36.18	4.92	64.76	35.13	5.38	61.88	34.07	5.89	58.86	32.96	6.44	55.72	31.81	7.05
	67	64.12	46.90	4.44	61.60	45.84	4.85	59.00	44.75	5.31	56.33	43.65	5.82	53.55	42.49	6.37	50.65	41.30	6.97
	63	59.68	45.29	4.39	57.32	44.23	4.80	54.88	43.13	5.26	52.36	42.01	5.76	49.74	40.85	6.31	47.02	39.64	6.90
	62	58.77	56.33	4.38	56.52	55.12	4.79	54.24	53.79	5.25	52.03	52.03	5.76	49.89	49.89	6.31	47.64	47.64	6.92
	57	57.93	57.93	4.37	56.04	56.04	4.79	54.08	54.08	5.25	52.04	52.04	5.76	49.89	49.89	6.31	47.64	47.64	6.92
2250	72	71.19	38.78	4.60	68.38	37.73	5.01	65.49	36.67	5.47	62.53	35.60	5.98	59.43	34.48	6.54	56.21	33.32	7.14
	67	64.95	49.52	4.53	62.36	48.43	4.94	59.68	47.33	5.40	56.94	46.20	5.91	54.09	45.03	6.46	51.12	43.81	7.06
	63	60.49	47.73	4.48	58.05	46.64	4.89	55.54	45.53	5.35	52.95	44.38	5.85	50.27	43.20	6.40	47.49	41.96	7.00
	62	59.88	59.44	4.48	57.72	57.72	4.89	55.66	55.66	5.35	53.51	53.51	5.86	51.27	51.27	6.42	48.91	48.91	7.02
	57	59.72	59.72	4.48	57.73	57.73	4.89	55.66	55.66	5.35	53.52	53.52	5.86	51.28	51.28	6.42	48.91	48.91	7.02

Cooling Indoor Model	Capacity	Power	Furnace Model
*FC4DN(F,B)060	1.00	1.00	
FK4DNB006	0.99	0.97	
CSRH*6012A**	0.97	0.97	58CV(A,X)135−22
CAR**6024A**	0.98	0.98	58CV(A,X)155−22
CNRH*6024A**	0.97	0.97	58CV(A,X)155−22
CNRV*6024A**	0.97	0.97	58CV(A,X)155−22
CSRH*6012A**	0.98	0.97	58CV(A,X)155−22

NOTE: When the required data falls between the published data, interpolation may be performed. Extrapolation is not an acceptable practice.

* Detailed cooling capacities are based on indoor and outdoor unit at the same elevation per ARI standard 210/240−94. If additional tubing length and/or indoor unit is located above outdoor unit, a slight variation in capacity may occur.

† Total and sensible capacities are net capacities. Blower motor heat has been subtracted.

‡ Sensible capacities shown are based on 80°F (27°C) entering air at the indoor coil. For sensible capacities at other than 80°F (27°C), deduct 835 Btuh (245 kW) per 1000 CFM (480 L/S) of indoor coil air for each degree below 80°F (27°C), or add 835 Btuh (245 kW) per 1000 CFM (480 L/S) of indoor coil air per degree above 80°F (27°C).

** System kw is total of indoor and outdoor unit kilowatts.

†† At TVA rating indoor condition (75°F edb/63°F ewb). All other indoor air temperatures are at 80°F edb.

EWB — Entering Wet Bulb

HEAT PUMP HEATING PERFORMANCE

INDOOR AIR		OUTDOOR COIL ENTERING AIR TEMPERATURES °F (°C)																							
		−3 (−19.4)			7 (−13.9)			17 (−8.3)			27 (−2.8)			37 (2.8)			47 (8.3)			57 (13.9)			67 (19.4)		
EDB	CFM	Capacity MBtuh		Total Sys-tem KW†	Capacity MBtuh		Total Sys-tem KW†	Capacity MBtuh		Total Sys-tem KW†	Capacity MBtuh		Total Sys-tem KW†	Capacity MBtuh		Total Sys-tem KW†	Capacity MBtuh		Total Sys-tem KW†	Capacity MBtuh		Total Sys-tem KW†	Capacity MBtuh		Total Sys-tem KW†
		Total	Integ*		Total	Integ*		Total	Integ*		Total	Integ*		Total	Integ*		Total	Integ*		Total	Integ*		Total	Integ*	
25HCR318C Outdoor Section With FA4CN(F,C)018 Indoor Section																									
65	525	7.43	6.84	1.13	9.40	8.64	1.19	11.66	10.64	1.27	14.22	12.63	1.36	16.73	15.23	1.44	18.41	18.41	1.51	18.41	18.41	1.51	18.29	18.29	1.50
	600	7.58	6.97	1.15	9.57	8.80	1.20	11.86	10.82	1.27	14.45	12.83	1.35	16.64	15.14	1.42	17.32	17.32	1.44	17.05	17.05	1.43	16.45	16.45	1.41
	675	7.72	7.10	1.16	9.73	8.94	1.22	12.04	10.98	1.28	14.64	13.00	1.36	16.43	14.96	1.41	16.47	16.47	1.41	16.00	16.00	1.39	15.04	15.04	1.36
70	525	7.22	6.64	1.19	9.18	8.44	1.25	11.43	10.42	1.33	13.97	12.41	1.42	16.66	15.16	1.52	18.62	18.62	1.60	19.14	19.14	1.62	19.10	19.10	1.61
	600	7.37	6.78	1.20	9.35	8.59	1.26	11.62	10.60	1.33	14.19	12.61	1.42	16.68	15.17	1.50	18.00	18.00	1.55	17.91	17.91	1.54	17.61	17.61	1.53
	675	7.51	6.91	1.22	9.50	8.73	1.28	11.80	10.76	1.34	14.39	12.78	1.42	16.61	15.11	1.49	17.22	17.22	1.51	16.96	16.96	1.50	16.39	16.39	1.48
75	525	7.00	6.44	1.24	8.98	8.25	1.32	11.19	10.20	1.40	13.72	12.19	1.49	16.47	14.99	1.61	18.71	18.71	1.70	19.76	19.76	1.74	19.86	19.86	1.74
	600	7.15	6.58	1.26	9.14	8.40	1.33	11.38	10.38	1.40	13.94	12.38	1.49	16.63	15.13	1.58	18.47	18.47	1.65	18.62	18.62	1.66	18.49	18.49	1.65
	675	7.29	6.70	1.28	9.29	8.54	1.34	11.56	10.54	1.41	14.14	12.56	1.49	16.64	15.15	1.57	17.85	17.85	1.61	17.75	17.75	1.61	17.41	17.41	1.59

Heating Indoor Model	Capacity	Power	Furnace Model
*FA4CN(F,C)018	1.00	1.00	
FA4CN(F,C)024	0.96	0.99	
FC4DNF018	0.98	0.92	
FC4DNF024	0.93	0.89	
FF1ENE018	1.00	1.00	
FF1ENE024	0.95	0.96	
FK4DNF001	0.91	0.88	
FK4DNF002	0.91	0.85	
CAR**2414A**	0.96	0.96	
CAR**2417A**	0.96	0.96	
CNRF*2418A**	0.97	0.95	
CNRH*2417A**	0.97	0.95	
CNRV*1814A**	0.99	0.97	
CNRV*2414A**	0.97	0.95	
CNRV*2417A**	0.97	0.95	
CSRH*2412A**	0.89	0.91	
CAR**1814A**	0.97	0.97	58CV(A,X)070−12
CAR**2414A**	0.95	0.91	58CV(A,X)070−12
CNRH*2417A**	0.97	0.90	58CV(A,X)070−12
CNRV*1814A**	0.98	0.93	58CV(A,X)070−12
CNRV*2414A**	0.97	0.90	58CV(A,X)070−12
CSRH*2412A**	0.94	0.89	58CV(A,X)070−12
CAR**2417A**	0.95	0.90	58CV(A,X)090−16
CNRH*2417A**	0.97	0.89	58CV(A,X)090−16
CNRV*2417A**	0.97	0.89	58CV(A,X)090−16
CSRH*2412A**	0.93	0.88	58CV(A,X)090−16
CNRH*2417A**	0.97	0.90	58MVB040−14
CSRH*2412A**	0.93	0.89	58MVB040−14
CAR**2417A**	0.95	0.91	58MVB060−14
CNRH*2417A**	0.97	0.90	58MVB060−14
CNRV*2417A**	0.97	0.90	58MVB060−14
CSRH*2412A**	0.93	0.89	58MVB060−14
CNRH*2417A**	0.97	0.90	58MVB080−14
CSRH*2412A**	0.93	0.89	58MVB080−14
CAR**2417A**	0.95	0.91	58UVB060−14
CNRV*2417A**	0.97	0.90	58UVB060−14

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HEAT PUMP HEATING PERFORMANCE (CONT.)

INDOOR AIR		OUTDOOR COIL ENTERING AIR TEMPERATURES °F (°C)																							
		−3 (−19.4)			7 (−13.9)			17 (−8.3)			27 (−2.8)			37 (2.8)			47 (8.3)			57 (13.9)			67 (19.4)		
EDB	CFM	Capacity MBtuh		Total System KW†	Capacity MBtuh		Total System KW†	Capacity MBtuh		Total System KW†	Capacity MBtuh		Total System KW†	Capacity MBtuh		Total System KW†	Capacity MBtuh		Total System KW†	Capacity MBtuh		Total System KW†	Capacity MBtuh		Total System KW†
		Total	Integ*		Total	Integ*		Total	Integ*		Total	Integ*		Total	Integ*		Total	Integ*		Total	Integ*		Total	Integ*	
25HCR324C Outdoor Section With FA4CN(F,C)024 Indoor Section																									
65	700	9.44	8.68	1.55	11.81	10.85	1.61	14.36	13.10	1.68	17.25	15.32	1.76	20.46	18.61	1.86	23.99	23.99	1.98	27.61	27.61	2.10	31.25	31.25	2.23
	800	9.61	8.85	1.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.73	18.87	1.84	24.32	24.32	1.96	27.53	27.53	2.04	30.88	30.88	2.16
	900	9.78	9.00	1.59	12.17	11.18	1.64	14.77	13.47	1.69	17.71	15.73	1.76	20.97	19.08	1.84	24.46	24.46	1.93	27.30	27.30	2.02	30.39	30.39	2.12
70	700	9.17	8.43	1.61	11.57	10.63	1.69	14.13	12.89	1.76	16.99	15.09	1.84	20.17	18.36	1.95	23.67	23.67	2.08	27.42	27.42	2.21	31.11	31.11	2.35
	800	9.35	8.60	1.63	11.76	10.81	1.70	14.34	13.07	1.76	17.23	15.30	1.84	20.45	18.61	1.93	24.00	24.00	2.05	27.46	27.46	2.15	30.88	30.88	2.28
	900	9.51	8.75	1.66	11.93	10.97	1.72	14.52	13.24	1.77	17.45	15.49	1.84	20.69	18.83	1.93	24.25	24.25	2.04	27.33	27.33	2.12	30.52	30.52	2.23
75	700	8.87	8.16	1.68	11.31	10.39	1.76	13.90	12.67	1.84	16.72	14.85	1.93	19.86	18.07	2.04	23.36	23.36	2.17	27.20	27.20	2.34	30.95	30.95	2.47
	800	9.06	8.33	1.70	11.51	10.57	1.78	14.11	12.86	1.85	16.96	15.06	1.92	20.17	18.35	2.03	23.68	23.68	2.15	27.32	27.32	2.26	30.82	30.82	2.39
	900	9.22	8.49	1.73	11.68	10.74	1.80	14.29	13.03	1.86	17.18	15.26	1.93	20.40	18.57	2.02	23.95	23.95	2.14	27.30	27.30	2.23	30.56	30.56	2.35

Heating Indoor Model	Capacity	Power	Furnace Model
*FA4CN(F,C)024	1.00	1.00	
FA4CN(F,C)030	1.00	0.98	
FC4DNF024	1.00	0.95	
FC4DNF030	1.00	0.93	
FF1ENE024	1.00	1.00	
FF1ENE030	1.00	1.00	
FK4DN(B,F)003	0.98	0.91	
FK4DNF001	0.99	0.95	
FK4DNF002	0.99	0.92	
CAR**2414A**	1.00	0.98	
CAR**2417A**	1.00	0.98	
CAR**3014A**	1.00	0.99	
CAR**3017A**	1.00	0.99	
CNRF*2418A**	1.00	0.96	
CNRH*2417A**	1.00	0.96	
CNRH*3017A**	1.00	0.99	
CNRV*2414A**	1.00	0.96	
CNRV*2417A**	1.00	0.96	
CNRV*3014A**	1.00	0.99	
CNRV*3017A**	1.00	0.99	
CSRH*2412A**	1.00	0.96	
CSRH*3012A**	1.00	0.99	
CAR**2414A**	0.99	0.96	58CV(A,X)070−12
CAR**3014A**	0.98	0.94	58CV(A,X)070−12
CNRH*2417A**	0.99	0.94	58CV(A,X)070−12
CNRH*3017A**	0.98	0.94	58CV(A,X)070−12
CNRV*2414A**	0.99	0.94	58CV(A,X)070−12
CNRV*3014A**	0.98	0.94	58CV(A,X)070−12
CSRH*2412A**	0.99	0.94	58CV(A,X)070−12
CSRH*3012A**	0.98	0.94	58CV(A,X)070−12
CAR**2417A**	0.98	0.94	58CV(A,X)090−16
CAR**3017A**	0.98	0.93	58CV(A,X)090−16
CNRH*2417A**	0.99	0.93	58CV(A,X)090−16
CNRH*3017A**	0.98	0.93	58CV(A,X)090−16
CNRV*2417A**	0.99	0.93	58CV(A,X)090−16
CNRV*3017A**	0.98	0.93	58CV(A,X)090−16
CSRH*2412A**	0.99	0.93	58CV(A,X)090−16
CSRH*3012A**	0.98	0.93	58CV(A,X)090−16
CNRH*2417A**	0.99	0.94	58CV(A,X)110−20
CNRH*3017A**	0.98	0.93	58CV(A,X)110−20

Heating Indoor Model	Capacity	Power	Furnace Model
CSRH*2412A**	0.99	0.94	58CV(A,X)110−20
CSRH*3012A**	0.98	0.93	58CV(A,X)110−20
CNRH*2417A**	0.99	0.94	58CV(A,X)135−22
CNRH*3017A**	0.98	0.93	58CV(A,X)135−22
CSRH*2412A**	0.99	0.94	58CV(A,X)135−22
CSRH*3012A**	0.98	0.93	58CV(A,X)135−22
CNRH*2417A**	0.99	0.93	58CV(A,X)155−22
CNRH*3017A**	0.98	0.93	58CV(A,X)155−22
CSRH*2412A**	0.99	0.94	58CV(A,X)155−22
CSRH*3012A**	0.98	0.93	58CV(A,X)155−22
CNRH*2417A**	0.99	0.94	58MVB040−14
CNRH*3017A**	0.98	0.93	58MVB040−14
CSRH*2412A**	1.00	0.95	58MVB040−14
CSRH*3012A**	0.98	0.93	58MVB040−14
CAR**2417A**	0.99	0.95	58MVB060−14
CAR**3017A**	0.98	0.94	58MVB060−14
CNRH*2417A**	0.99	0.94	58MVB060−14
CNRH*3017A**	0.98	0.93	58MVB060−14
CNRV*2417A**	0.99	0.94	58MVB060−14
CNRV*3017A**	0.98	0.93	58MVB060−14
CSRH*2412A**	0.99	0.94	58MVB060−14
CSRH*3012A**	0.98	0.93	58MVB060−14
CNRH*2417A**	0.99	0.94	58MVB080−14
CNRH*3017A**	0.98	0.93	58MVB080−14
CSRH*2412A**	0.99	0.94	58MVB080−14
CSRH*3012A**	0.98	0.93	58MVB080−14
CNRH*2417A**	0.99	0.94	58MVB080−20
CNRH*3017A**	0.98	0.93	58MVB080−20
CSRH*2412A**	0.99	0.94	58MVB080−20
CSRH*3012A**	0.98	0.93	58MVB080−20
CNRH*2417A**	0.99	0.93	58MVB100−20
CNRH*3017A**	0.98	0.93	58MVB100−20
CSRH*2412A**	0.99	0.93	58MVB100−20
CSRH*3012A**	0.98	0.93	58MVB100−20
CNRH*2417A**	0.99	0.95	58MVB120−20
CNRH*3017A**	0.98	0.94	58MVB120−20
CSRH*2412A**	0.99	0.95	58MVB120−20
CSRH*3012A**	0.98	0.94	58MVB120−20
CAR**2417A**	0.99	0.95	58UVB060−14
CAR**3017A**	0.98	0.94	58UVB060−14

Heating Indoor Model	Capacity	Power	Furnace Model
CNRV*2417A**	0.99	0.94	58UVB060−14
CNRV*3017A**	0.98	0.93	58UVB060−14

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HEAT PUMP HEATING PERFORMANCE (CONT.)

INDOOR AIR		OUTDOOR COIL ENTERING AIR TEMPERATURES °F (°C)																							
		−3 (−19.4)			7 (−13.9)			17 (−8.3)			27 (−2.8)			37 (2.8)			47 (8.3)			57 (13.9)			67 (19.4)		
EDB	CFM	Capacity MBtuh		Total System KW†	Capacity MBtuh		Total System KW†	Capacity MBtuh		Total System KW†	Capacity MBtuh		Total System KW†	Capacity MBtuh		Total System KW†	Capacity MBtuh		Total System KW†	Capacity MBtuh		Total System KW†	Capacity MBtuh		Total System KW†
		Total	Integ*		Total	Integ*		Total	Integ*		Total	Integ*		Total	Integ*		Total	Integ*		Total	Integ*		Total	Integ*	
25HCR330C Outdoor Section With FC4DNF030 Indoor Section																									
65	875	11.89	10.94	1.96	14.83	13.62	2.04	18.00	16.41	2.12	21.53	19.12	2.22	25.45	23.16	2.35	29.01	29.01	2.43	32.46	32.46	2.55	35.99	35.99	2.68
	1000	12.06	11.09	1.97	15.00	13.79	2.04	18.21	16.60	2.10	21.77	19.33	2.20	25.67	23.36	2.29	28.78	28.78	2.37	32.01	32.01	2.47	34.95	34.95	2.57
	1125	12.21	11.23	1.98	15.16	13.93	2.04	18.39	16.77	2.10	21.97	19.51	2.18	25.67	23.36	2.26	28.53	28.53	2.33	31.50	31.50	2.42	32.77	32.77	2.45
70	875	11.56	10.63	2.05	14.54	13.36	2.14	17.71	16.15	2.22	21.21	18.84	2.32	25.11	22.85	2.46	28.92	28.92	2.56	32.44	32.44	2.68	36.08	36.08	2.83
	1000	11.73	10.79	2.05	14.72	13.53	2.13	17.91	16.33	2.21	21.46	19.06	2.30	25.39	23.10	2.42	28.80	28.80	2.49	32.09	32.09	2.60	35.38	35.38	2.72
	1125	11.88	10.93	2.07	14.88	13.67	2.13	18.09	16.49	2.20	21.66	19.24	2.29	25.57	23.27	2.38	28.60	28.60	2.46	31.69	31.69	2.55	33.95	33.95	2.62
75	875	11.20	10.30	2.13	14.23	13.08	2.23	17.43	15.89	2.33	20.89	18.55	2.43	24.78	22.55	2.58	28.90	28.90	2.70	32.36	32.36	2.82	36.10	36.10	2.98
	1000	11.38	10.47	2.14	14.42	13.25	2.23	17.63	16.08	2.31	21.13	18.77	2.41	25.05	22.80	2.54	28.76	28.76	2.63	32.11	32.11	2.74	35.53	35.53	2.87
	1125	11.53	10.61	2.15	14.58	13.40	2.23	17.81	16.23	2.31	21.34	18.95	2.39	25.28	23.00	2.51	28.63	28.63	2.58	31.80	31.80	2.69	34.90	34.90	2.79

Heating Indoor Model	Capacity	Power	Furnace Model
*FC4DNF030	1.00	1.00	
FC4DN(F,B)036	0.97	1.00	
FK4DN(B,F)003	0.97	0.97	
FK4DNF001	1.00	1.02	
FK4DNF002	1.00	0.98	
CAR**3014A**	0.99	1.01	58CV(A,X)070−12
CAR**3614A**	0.98	1.00	58CV(A,X)070−12
CNRH*3017A**	0.99	1.01	58CV(A,X)070−12
CNRH*3617A**	0.99	1.01	58CV(A,X)070−12
CNRV*3014A**	0.99	1.01	58CV(A,X)070−12
CSRH*3012A**	0.98	1.00	58CV(A,X)070−12
CSRH*3612A**	0.96	0.96	58CV(A,X)070−12
CAR**3017A**	0.98	0.99	58CV(A,X)090−16
CAR**3617A**	0.97	0.98	58CV(A,X)090−16
CNRH*3017A**	0.98	0.99	58CV(A,X)090−16
CNRH*3617A**	0.98	0.99	58CV(A,X)090−16
CNRV*3017A**	0.98	0.99	58CV(A,X)090−16
CNRV*3617A**	0.98	0.99	58CV(A,X)090−16
CSRH*3012A**	0.98	0.99	58CV(A,X)090−16
CSRH*3612A**	0.96	0.96	58CV(A,X)090−16
CAR**3621A**	0.97	0.98	58CV(A,X)110−20
CNRH*3017A**	0.98	0.99	58CV(A,X)110−20
CNRH*3617A**	0.98	0.99	58CV(A,X)110−20
CNRV*3621A**	0.98	0.99	58CV(A,X)110−20
CSRH*3012A**	0.98	0.99	58CV(A,X)110−20
CSRH*3612A**	0.95	0.95	58CV(A,X)110−20
CNRH*3017A**	0.98	0.99	58CV(A,X)135−22
CNRH*3617A**	0.98	0.99	58CV(A,X)135−22
CSRH*3012A**	0.98	0.99	58CV(A,X)135−22
CSRH*3612A**	0.95	0.95	58CV(A,X)135−22
CNRH*3017A**	0.98	0.99	58CV(A,X)155−22
CNRH*3617A**	0.98	0.99	58CV(A,X)155−22
CSRH*3012A**	0.98	0.99	58CV(A,X)155−22
CSRH*3612A**	0.95	0.95	58CV(A,X)155−22
CNRH*3017A**	0.99	1.01	58MVB040−14
CNRH*3617A**	0.99	1.01	58MVB040−14
CSRH*3012A**	0.98	1.00	58MVB040−14
CSRH*3612A**	0.96	0.97	58MVB040−14
CAR**3017A**	0.99	1.01	58MVB060−14

Heating Indoor Model	Capacity	Power	Furnace Model
CAR**3617A**	0.98	1.00	58MVB060−14
CNRH*3017A**	0.99	1.01	58MVB060−14
CNRH*3617A**	0.99	1.01	58MVB060−14
CNRV*3017A**	0.99	1.01	58MVB060−14
CNRV*3617A**	0.99	1.01	58MVB060−14
CSRH*3012A**	0.98	1.00	58MVB060−14
CSRH*3612A**	0.96	0.96	58MVB060−14
CNRH*3017A**	0.99	1.00	58MVB080−14
CNRH*3617A**	0.99	1.00	58MVB080−14
CNRV*3621A**	0.99	1.00	58MVB080−14
CSRH*3012A**	0.98	1.00	58MVB080−14
CSRH*3612A**	0.96	0.96	58MVB080−14
CAR**3621A**	0.97	0.99	58MVB080−20
CNRH*3017A**	0.99	1.00	58MVB080−20
CNRH*3617A**	0.99	1.00	58MVB080−20
CNRV*3621A**	0.99	1.00	58MVB080−20
CSRH*3012A**	0.98	1.00	58MVB080−20
CSRH*3612A**	0.96	0.96	58MVB080−20
CAR**3621A**	0.97	0.98	58MVB100−20
CNRH*3017A**	0.98	0.99	58MVB100−20
CNRH*3617A**	0.98	0.99	58MVB100−20
CNRV*3621A**	0.98	0.99	58MVB100−20
CSRH*3012A**	0.98	1.00	58MVB100−20
CSRH*3612A**	0.96	0.96	58MVB100−20
CNRH*3017A**	0.98	1.00	58MVB120−20
CNRH*3617A**	0.98	1.00	58MVB120−20
CSRH*3012A**	0.98	1.00	58MVB120−20
CSRH*3612A**	0.96	0.96	58MVB120−20
CAR**3017A**	0.99	1.01	58UVB060−14
CAR**3617A**	0.98	1.00	58UVB060−14
CAR**3621A**	0.97	0.99	58UVB080−20
CAR**3621A**	0.97	0.98	58UVB100−20
CNRV*3017A**	0.99	1.01	58UVB060−14
CNRV*3617A**	0.99	1.01	58UVB060−14
CNRV*3621A**	0.99	1.00	58UVB080−14
CNRV*3621A**	0.99	1.00	58UVB080−20
CNRV*3621A**	0.98	0.99	58UVB100−20

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HEAT PUMP HEATING PERFORMANCE (CONT.)

INDOOR AIR		OUTDOOR COIL ENTERING AIR TEMPERATURES °F (°C)																							
		−3 (−19.4)			7 (−13.9)			17 (−8.3)			27 (−2.8)			37 (2.8)			47 (8.3)			57 (13.9)			67 (19.4)		
EDB	CFM	Capacity MBtuh Total	Capacity MBtuh Integ*	Total System KW†	Capacity MBtuh Total	Capacity MBtuh Integ*	Total System KW†	Capacity MBtuh Total	Capacity MBtuh Integ*	Total System KW†	Capacity MBtuh Total	Capacity MBtuh Integ*	Total System KW†	Capacity MBtuh Total	Capacity MBtuh Integ*	Total System KW†	Capacity MBtuh Total	Capacity MBtuh Integ*	Total System KW†	Capacity MBtuh Total	Capacity MBtuh Integ*	Total System KW†	Capacity MBtuh Total	Capacity MBtuh Integ*	Total System KW†
25HCR336C30 Outdoor Section With FC4DN(F,B)036 Indoor Section																									
65	1050	15.00	13.80	2.30	18.51	17.01	2.40	22.45	20.47	2.52	26.85	23.85	2.68	31.67	28.82	2.84	35.35	35.35	2.97	39.39	39.39	3.14	41.38	41.38	3.22
	1200	15.19	13.97	2.31	18.73	17.21	2.40	22.70	20.69	2.52	27.13	24.09	2.67	31.46	28.63	2.79	34.88	34.88	2.92	37.68	37.68	3.03	38.03	38.03	3.03
	1350	15.37	14.14	2.33	18.92	17.39	2.41	22.91	20.89	2.52	27.37	24.31	2.67	31.15	28.35	2.77	34.37	34.37	2.88	35.27	35.27	2.91	35.72	35.72	2.92
70	1050	14.67	13.50	2.39	18.22	16.74	2.51	22.12	20.17	2.63	26.49	23.52	2.80	31.32	28.50	2.99	35.45	35.45	3.12	39.57	39.57	3.30	42.44	42.44	3.43
	1200	14.86	13.67	2.41	18.42	16.93	2.51	22.37	20.39	2.63	26.76	23.77	2.78	31.52	28.68	2.93	35.00	35.00	3.06	38.80	38.80	3.22	39.67	39.67	3.25
	1350	15.04	13.84	2.42	18.60	17.09	2.52	22.57	20.58	2.63	26.99	23.97	2.78	31.29	28.47	2.90	34.58	34.58	3.03	36.93	36.93	3.12	37.20	37.20	3.12
75	1050	14.32	13.17	2.49	17.88	16.43	2.62	21.77	19.85	2.75	26.10	23.18	2.92	30.91	28.13	3.13	35.47	35.47	3.28	39.61	39.61	3.47	43.96	43.96	3.68
	1200	14.52	13.36	2.50	18.09	16.63	2.62	22.01	20.07	2.74	26.40	23.45	2.90	31.25	28.44	3.08	35.14	35.14	3.21	38.99	38.99	3.38	41.08	41.08	3.47
	1350	14.70	13.52	2.52	18.28	16.80	2.63	22.23	20.27	2.74	26.63	23.65	2.90	31.36	28.54	3.05	34.75	34.75	3.17	38.21	38.21	3.32	38.89	38.89	3.33

Heating Indoor Model	Capacity	Power	Furnace Model
*FC4DN(F,B)036	1.00	1.00	
FC4DN(F,B)042	0.92	0.93	
FK4DNF002	1.04	1.01	
FK4DNF003	1.00	0.99	
CAR**3614A**	0.98	1.00	58CV(A,X)070−12
CNRH*3617A**	1.02	1.03	58CV(A,X)070−12
CNRH*4221A**	1.00	0.99	58CV(A,X)070−12
CSRH*3612A**	0.98	0.98	58CV(A,X)070−12
CSRH*4212A**	0.97	0.96	58CV(A,X)070−12
CAR**3617A**	1.01	1.01	58CV(A,X)090−16
CNRH*3617A**	1.01	1.01	58CV(A,X)090−16
CNRH*4221A**	0.99	0.97	58CV(A,X)090−16
CNRV*3617A**	1.01	1.01	58CV(A,X)090−16
CSRH*3612A**	0.98	0.97	58CV(A,X)090−16
CSRH*4212A**	0.97	0.95	58CV(A,X)090−16
CAR**3621A**	1.01	1.00	58CV(A,X)110−20
CAR**4221A**	0.99	0.98	58CV(A,X)110−20
CNRH*3617A**	1.01	1.01	58CV(A,X)110−20
CNRH*4221A**	0.99	0.97	58CV(A,X)110−20
CNRV*3621A**	1.01	1.01	58CV(A,X)110−20
CNRV*4221A**	0.99	0.97	58CV(A,X)110−20
CSRH*3612A**	0.98	0.96	58CV(A,X)110−20
CSRH*4212A**	0.96	0.94	58CV(A,X)110−20
CAR**4224A**	0.99	0.98	58CV(A,X)135−22
CNRH*3617A**	1.01	1.01	58CV(A,X)135−22
CNRH*4221A**	0.99	0.96	58CV(A,X)135−22
CSRH*3612A**	0.98	0.96	58CV(A,X)135−22
CSRH*4212A**	0.96	0.94	58CV(A,X)135−22
CAR**4224A**	0.99	0.97	58CV(A,X)155−22
CNRH*3617A**	1.01	1.01	58CV(A,X)155−22
CNRH*4221A**	0.99	0.96	58CV(A,X)155−22
CSRH*3612A**	0.98	0.95	58CV(A,X)155−22
CSRH*4212A**	0.96	0.93	58CV(A,X)155−22
CAR**4224A**	1.00	1.00	58MVB040−14
CNRH*3617A**	1.01	1.03	58MVB040−14
CNRH*4221A**	1.00	0.99	58MVB040−14
CSRH*3612A**	0.99	0.98	58MVB040−14
CSRH*4212A**	0.97	0.97	58MVB040−14
CAR**3617A**	1.01	1.01	58MVB060−14
CNRH*3617A**	1.01	1.02	58MVB060−14
CNRH*4221A**	0.99	0.98	58MVB060−14
CNRV*3617A**	1.01	1.02	58MVB060−14
CSRH*3612A**	0.98	0.97	58MVB060−14
CSRH*4212A**	0.97	0.95	58MVB060−14
CAR**3621A**	1.01	1.02	58MVB080−14
CAR**4221A**	1.00	1.00	58MVB080−14
CNRH*4221A**	1.00	0.99	58MVB080−14
CNRV*4221A**	1.00	0.99	58MVB080−14
CSRH*3612A**	0.99	0.99	58MVB080−14
CSRH*4212A**	0.97	0.97	58MVB080−14
CAR**3621A**	1.01	1.01	58MVB080−20
CAR**4221A**	1.00	1.00	58MVB080−20
CNRH*3617A**	1.01	1.02	58MVB080−20
CNRH*4221A**	0.99	0.98	58MVB080−20
CNRV*3621A**	1.01	1.02	58MVB080−20
CNRV*4221A**	0.99	0.98	58MVB080−20
CSRH*3612A**	0.98	0.97	58MVB080−20
CSRH*4212A**	0.97	0.95	58MVB080−20
CAR**3621A**	1.01	1.01	58MVB100−20
CAR**4221A**	1.00	0.99	58MVB100−20
CNRH*3617A**	1.01	1.02	58MVB100−20
CNRH*4221A**	0.99	0.98	58MVB100−20
CNRV*3621A**	1.01	1.02	58MVB100−20
CNRV*4221A**	0.99	0.98	58MVB100−20
CSRH*3612A**	0.98	0.97	58MVB100−20
CSRH*4212A**	0.97	0.95	58MVB100−20
CAR**4224A**	0.99	0.98	58MVB120−20
CNRH*3617A**	1.01	1.02	58MVB120−20
CNRH*4221A**	0.99	0.97	58MVB120−20
CSRH*3612A**	0.98	0.97	58MVB120−20
CSRH*4212A**	0.97	0.95	58MVB120−20
CAR**3617A**	1.01	1.01	58UVB060−14
CNRV*3617A**	1.01	1.02	58UVB060−14
CAR**3621A**	1.01	1.02	58UVB080−14
CAR**4221A**	1.00	1.00	58UVB080−14
CNRV*4221A**	1.00	0.99	58UVB080−14
CAR**3621A**	1.01	1.01	58UVB080−20
CAR**4221A**	1.00	1.00	58UVB080−20
CNRV*3621A**	1.01	1.02	58UVB080−20
CNRV*4221A**	0.99	0.98	58UVB080−20
CAR**3621A**	1.01	1.01	58UVB100−20
CAR**4221A**	1.00	0.99	58UVB100−20
CNRV*3621A**	1.01	1.02	58UVB100−20
CNRV*4221A**	0.99	0.98	58UVB100−20
CAR**4224A**	0.99	0.98	58UVB120−20

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HEAT PUMP HEATING PERFORMANCE (CONT.)

INDOOR AIR		OUTDOOR COIL ENTERING AIR TEMPERATURES °F (°C)																							
		−3 (−19.4)			7 (−13.9)			17 (−8.3)			27 (−2.8)			37 (2.8)			47 (8.3)			57 (13.9)			67 (19.4)		
EDB	CFM	Capacity MBtuh		Total System KW†	Capacity MBtuh		Total System KW†	Capacity MBtuh		Total System KW†	Capacity MBtuh		Total System KW†	Capacity MBtuh		Total System KW†	Capacity MBtuh		Total System KW†	Capacity MBtuh		Total System KW†	Capacity MBtuh		Total System KW†
		Total	Integ*		Total	Integ*		Total	Integ*		Total	Integ*		Total	Integ*		Total	Integ*		Total	Integ*		Total	Integ*	
25HCR342C Outdoor Section With FC4DN(F,B)042 Indoor Section																									
65	1225	16.64	15.31	2.55	20.57	18.90	2.66	24.79	22.60	2.77	29.49	26.19	2.91	34.78	31.65	3.07	40.64	40.64	3.24	46.44	46.44	3.43	52.63	52.63	3.66
	1400	16.88	15.53	2.57	20.82	19.13	2.67	25.06	22.85	2.77	29.83	26.49	2.90	35.16	32.00	3.05	40.77	40.77	3.18	46.21	46.21	3.35	49.85	49.85	3.47
	1575	17.10	15.74	2.60	21.04	19.34	2.69	25.32	23.09	2.78	30.12	26.75	2.90	35.50	32.30	3.04	40.70	40.70	3.16	45.87	45.87	3.31	46.03	46.03	3.30
70	1225	16.28	14.98	2.66	20.24	18.60	2.78	24.48	22.32	2.90	29.11	25.85	3.04	34.36	31.27	3.21	40.15	40.15	3.40	46.17	46.17	3.59	52.13	52.13	3.82
	1400	16.52	15.20	2.68	20.49	18.83	2.79	24.75	22.57	2.89	29.44	26.14	3.02	34.74	31.61	3.18	40.50	40.50	3.33	46.05	46.05	3.51	50.87	50.87	3.68
	1575	16.73	15.39	2.71	20.72	19.04	2.81	24.99	22.79	2.90	29.73	26.40	3.03	35.06	31.91	3.18	40.54	40.54	3.30	45.83	45.83	3.47	48.36	48.36	3.54
75	1225	15.86	14.59	2.76	19.89	18.28	2.90	24.16	22.03	3.03	28.73	25.52	3.18	33.89	30.84	3.35	39.65	39.65	3.57	45.89	45.89	3.76	51.79	51.79	4.00
	1400	16.11	14.82	2.79	20.16	18.53	2.91	24.43	22.28	3.02	29.05	25.81	3.16	34.32	31.23	3.33	40.10	40.10	3.49	45.83	45.83	3.67	51.85	51.85	3.90
	1575	16.34	15.03	2.82	20.39	18.74	2.93	24.68	22.50	3.03	29.34	26.06	3.16	34.64	31.52	3.32	40.32	40.32	3.45	45.68	45.68	3.62	49.50	49.50	3.75

Heating Indoor Model	Capacity	Power	Furnace Model
*FC4DN(F,B)042	1.00	1.00	
CSRH*4812A**	1.01	1.02	
FC4DN(F,B)048	0.98	0.95	
FK4DN(B,F)003	0.98	1.03	
FK4DN(B,F)005	0.96	0.95	
FK4DNB006	0.92	0.91	
CNRH*4221A**	0.99	1.05	58CV(A,X)070−12
CNRH*4821A**	1.00	1.02	58CV(A,X)070−12
CSRH*4212A**	1.00	1.02	58CV(A,X)070−12
CSRH*4812A**	1.00	1.01	58CV(A,X)070−12
CAR**4817A**	0.98	0.97	58CV(A,X)090−16
CNRH*4221A**	0.99	1.03	58CV(A,X)090−16
CNRH*4821A**	0.99	0.99	58CV(A,X)090−16
CSRH*4212A**	0.99	0.99	58CV(A,X)090−16
CSRH*4812A**	0.99	0.98	58CV(A,X)090−16
CAR**4221A**	0.99	1.03	58CV(A,X)110−20
CAR**4821A**	0.99	0.98	58CV(A,X)110−20
CNRH*4221A**	0.99	1.03	58CV(A,X)110−20
CNRH*4821A**	0.99	0.98	58CV(A,X)110−20
CNRV*4221A**	0.99	1.03	58CV(A,X)110−20
CNRV*4821A**	0.99	0.98	58CV(A,X)110−20
CSRH*4212A**	1.00	1.00	58CV(A,X)110−20
CSRH*4812A**	1.00	0.99	58CV(A,X)110−20
CAR**4224A**	0.98	1.01	58CV(A,X)135−22
CAR**4824A**	0.99	0.98	58CV(A,X)135−22
CNRH*4221A**	0.99	1.02	58CV(A,X)135−22
CNRH*4821A**	0.99	0.98	58CV(A,X)135−22
CNRV*4824A**	0.99	0.98	58CV(A,X)135−22
CSRH*4212A**	0.99	0.98	58CV(A,X)135−22
CSRH*4812A**	0.99	0.97	58CV(A,X)135−22
CAR**4224A**	0.98	1.01	58CV(A,X)155−22
CAR**4824A**	0.99	0.98	58CV(A,X)155−22
CNRH*4221A**	0.99	1.02	58CV(A,X)155−22
CNRH*4821A**	0.99	0.98	58CV(A,X)155−22
CNRV*4824A**	0.99	0.98	58CV(A,X)155−22
CSRH*4212A**	0.99	0.98	58CV(A,X)155−22
CSRH*4812A**	0.99	0.97	58CV(A,X)155−22
CAR**4224A**	0.99	1.05	58MVB040−14
CAR**4824A**	0.99	1.00	58MVB040−14
CNRH*4221A**	0.99	1.05	58MVB040−14

Heating Indoor Model	Capacity	Power	Furnace Model
CNRH*4821A**	1.00	1.02	58MVB040−14
CNRV*4824A**	1.00	1.02	58MVB040−14
CSRH*4212A**	1.00	1.02	58MVB040−14
CSRH*4812A**	1.00	1.01	58MVB040−14
CAR**4817A**	0.99	0.99	58MVB060−14
CNRH*4221A**	0.99	1.04	58MVB060−14
CNRH*4821A**	0.99	1.00	58MVB060−14
CSRH*4212A**	1.00	1.01	58MVB060−14
CSRH*4812A**	1.00	1.00	58MVB060−14
CAR**4221A**	0.99	1.05	58MVB080−14
CAR**4821A**	0.99	1.01	58MVB080−14
CNRH*4221A**	0.99	1.05	58MVB080−14
CNRH*4821A**	1.00	1.02	58MVB080−14
CNRV*4221A**	0.99	1.05	58MVB080−14
CNRV*4821A**	1.00	1.02	58MVB080−14
CSRH*4212A**	1.00	1.02	58MVB080−14
CSRH*4812A**	1.00	1.01	58MVB080−14
CAR**4221A**	0.99	1.04	58MVB080−20
CAR**4821A**	0.99	1.00	58MVB080−20
CNRH*4221A**	0.99	1.04	58MVB080−20
CNRH*4821A**	1.00	1.01	58MVB080−20
CNRV*4221A**	0.99	1.04	58MVB080−20
CNRV*4821A**	1.00	1.01	58MVB080−20
CSRH*4212A**	1.00	1.01	58MVB080−20
CSRH*4812A**	1.00	1.00	58MVB080−20
CAR**4221A**	0.99	1.04	58MVB100−20
CAR**4821A**	0.99	0.99	58MVB100−20
CNRH*4221A**	0.99	1.04	58MVB100−20
CNRH*4821A**	0.99	0.99	58MVB100−20
CNRV*4221A**	0.99	1.04	58MVB100−20
CNRV*4821A**	0.99	0.99	58MVB100−20
CSRH*4212A**	1.00	1.01	58MVB100−20
CSRH*4812A**	1.00	1.00	58MVB100−20
CAR**4224A**	0.99	1.03	58MVB120−20
CAR**4824A**	0.99	0.99	58MVB120−20
CNRH*4221A**	0.99	1.04	58MVB120−20
CNRH*4821A**	0.99	0.99	58MVB120−20
CNRV*4824A**	0.99	0.99	58MVB120−20
CSRH*4212A**	0.99	1.00	58MVB120−20
CSRH*4812A**	0.99	0.99	58MVB120−20

Heating Indoor Model	Capacity	Power	Furnace Model
CAR**4817A**	0.99	0.99	58UVB060−14
CAR**4221A**	0.99	1.05	58UVB080−14
CAR**4821A**	0.99	1.01	58UVB080−14
CNRV*4221A**	0.99	1.05	58UVB080−14
CNRV*4821A**	1.00	1.02	58UVB080−14
CAR**4221A**	0.99	1.04	58UVB080−20
CAR**4821A**	0.99	1.00	58UVB080−20
CNRV*4221A**	0.99	1.04	58UVB080−20
CNRV*4821A**	1.00	1.01	58UVB080−20
CAR**4221A**	0.99	1.04	58UVB100−20
CAR**4821A**	0.99	0.99	58UVB100−20
CNRV*4221A**	0.99	1.04	58UVB100−20
CNRV*4821A**	0.99	0.99	58UVB100−20
CAR**4224A**	0.99	1.03	58UVB120−20
CAR**4824A**	0.99	0.99	58UVB120−20
CNRV*4824A**	0.99	0.99	58UVB120−20

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HEAT PUMP HEATING PERFORMANCE (CONT.)

INDOOR AIR		OUTDOOR COIL ENTERING AIR TEMPERATURES °F (°C)																							
		−3 (−19.4)			7 (−13.9)			17 (−8.3)			27 (−2.8)			37 (2.8)			47 (8.3)			57 (13.9)			67 (19.4)		
EDB	CFM	Capacity MBtuh		Total System KW†	Capacity MBtuh		Total System KW†	Capacity MBtuh		Total System KW†	Capacity MBtuh		Total System KW†	Capacity MBtuh		Total System KW†	Capacity MBtuh		Total System KW†	Capacity MBtuh		Total System KW†	Capacity MBtuh		Total System KW†
		Total	Integ*		Total	Integ*		Total	Integ*		Total	Integ*		Total	Integ*		Total	Integ*		Total	Integ*		Total	Integ*	
25HCR348C30 Outdoor Section With FC4DN(F,B)048 Indoor Section																									
65	1400	19.51	17.95	3.08	24.04	22.09	3.22	29.05	26.49	3.37	34.70	30.82	3.55	41.06	37.36	3.78	48.15	48.15	4.05	56.11	56.11	4.33	63.47	63.47	4.64
	1600	19.80	18.21	3.10	24.33	22.36	3.23	29.39	26.80	3.37	35.08	31.15	3.56	41.49	37.76	3.76	48.59	48.59	4.02	55.54	55.54	4.23	62.05	62.05	4.51
	1800	20.05	18.45	3.14	24.59	22.60	3.25	29.69	27.07	3.39	35.45	31.48	3.55	41.82	38.06	3.76	48.80	48.80	3.96	54.86	54.86	4.19	58.16	58.16	4.31
70	1400	19.06	17.54	3.20	23.66	21.74	3.36	28.62	26.10	3.53	34.25	30.42	3.72	40.52	36.88	3.95	47.51	47.51	4.23	55.50	55.50	4.57	63.51	63.51	4.87
	1600	19.35	17.80	3.23	23.95	22.01	3.37	28.96	26.41	3.52	34.63	30.75	3.70	40.98	37.29	3.93	48.00	48.00	4.20	55.54	55.54	4.43	62.59	62.59	4.75
	1800	19.61	18.05	3.26	24.22	22.26	3.40	29.27	26.68	3.54	34.97	31.06	3.71	41.31	37.59	3.92	48.40	48.40	4.17	54.97	54.97	4.39	60.46	60.46	4.63
75	1400	18.56	17.08	3.32	23.24	21.36	3.51	28.20	25.71	3.68	33.75	29.97	3.89	39.98	36.39	4.13	46.92	46.92	4.42	54.74	54.74	4.79	63.08	63.08	5.09
	1600	18.86	17.35	3.35	23.55	21.64	3.52	28.53	26.01	3.68	34.13	30.31	3.87	40.45	36.81	4.10	47.43	47.43	4.38	55.28	55.28	4.67	62.33	62.33	4.96
	1800	19.13	17.60	3.39	23.82	21.89	3.54	28.83	26.29	3.69	34.47	30.61	3.87	40.84	37.16	4.10	47.81	47.81	4.38	54.99	54.99	4.60	59.77	59.77	4.80

Heating Indoor Model	Capacity	Power	Furnace Model
*FC4DN(F,B)048	1.00	1.00	
FK4DNB006	0.98	0.96	
FK4DNF005	0.98	1.00	
CSRH*6012A**	0.98	0.99	
CAR**4817A**	0.96	0.99	58CV(A,X)090−16
CNRH*4821A**	0.98	1.02	58CV(A,X)090−16
CNRH*6024A**	0.98	1.02	58CV(A,X)090−16
CSRH*4812A**	0.98	1.01	58CV(A,X)090−16
CSRH*6012A**	0.98	1.00	58CV(A,X)090−16
CAR**4821A**	0.98	1.02	58CV(A,X)110−20
CAR**6021A**	0.98	1.01	58CV(A,X)110−20
CNRH*4821A**	0.98	1.02	58CV(A,X)110−20
CNRH*6024A**	0.98	1.01	58CV(A,X)110−20
CNRV*4821A**	0.98	1.02	58CV(A,X)110−20
CSRH*4812A**	0.98	1.01	58CV(A,X)110−20
CSRH*6012A**	0.98	0.99	58CV(A,X)110−20
CAR**4824A**	0.98	1.01	58CV(A,X)135−22
CAR**6024A**	0.98	1.00	58CV(A,X)135−22
CNRH*4821A**	0.97	1.00	58CV(A,X)135−22
CNRH*6024A**	0.98	1.01	58CV(A,X)135−22
CNRV*4824A**	0.96	0.99	58CV(A,X)135−22
CNRV*6024A**	0.98	1.01	58CV(A,X)135−22
CSRH*4812A**	0.98	1.00	58CV(A,X)135−22
CSRH*6012A**	0.98	0.99	58CV(A,X)135−22
CAR**4824A**	0.97	0.99	58CV(A,X)155−22
CAR**6024A**	0.98	1.00	58CV(A,X)155−22
CNRH*4821A**	0.97	0.99	58CV(A,X)155−22
CNRH*6024A**	0.97	0.99	58CV(A,X)155−22
CNRV*4824A**	0.97	0.99	58CV(A,X)155−22
CNRV*6024A**	0.97	0.99	58CV(A,X)155−22
CSRH*4812A**	0.97	0.98	58CV(A,X)155−22
CSRH*6012A**	0.98	0.98	58CV(A,X)155−22
CAR**4821A**	0.98	1.03	58MVB080−20
CAR**6021A**	0.98	1.02	58MVB080−20
CNRH*4821A**	0.98	1.03	58MVB080−20
CNRH*6024A**	0.98	1.03	58MVB080−20
CNRV*4821A**	0.98	1.03	58MVB080−20
CSRH*4812A**	0.98	1.02	58MVB080−20
CSRH*6012A**	0.98	1.01	58MVB080−20

Heating Indoor Model	Capacity	Power	Furnace Model
CAR**4821A**	0.98	1.02	58MVB100−20
CAR**6021A**	0.98	1.02	58MVB100−20
CNRH*4821A**	0.98	1.02	58MVB100−20
CNRH*6024A**	0.98	1.02	58MVB100−20
CNRV*4821A**	0.98	1.02	58MVB100−20
CSRH*4812A**	0.98	1.02	58MVB100−20
CSRH*6012A**	0.98	1.00	58MVB100−20
CAR**4824A**	0.98	1.02	58MVB120−20
CAR**6024A**	0.98	1.02	58MVB120−20
CNRH*4821A**	0.98	1.02	58MVB120−20
CNRH*6024A**	0.98	1.02	58MVB120−20
CNRV*4824A**	0.98	1.02	58MVB120−20
CNRV*6024A**	0.98	1.02	58MVB120−20
CSRH*4812A**	0.98	1.02	58MVB120−20
CSRH*6012A**	0.98	1.00	58MVB120−20
CAR**4821A**	0.98	1.03	58UVB080−20
CAR**6021A**	0.98	1.02	58UVB080−20
CNRV*4821A**	0.98	1.03	58UVB080−20
CAR**4821A**	0.98	1.02	58UVB100−20
CAR**6021A**	0.98	1.02	58UVB100−20
CNRV*4821A**	0.98	1.02	58UVB100−20
CAR**4824A**	0.98	1.02	58UVB120−20
CAR**6024A**	0.98	1.02	58UVB120−20
CNRV*4824A**	0.98	1.02	58UVB120−20
CNRV*6024A**	0.98	1.02	58UVB120−20

See notes on page 30

HEAT PUMP HEATING PERFORMANCE

INDOOR AIR		OUTDOOR COIL ENTERING AIR TEMPERATURES °F (°C)																							
		−3 (−19.4)			7 (−13.9)			17 (−8.3)			27 (−2.8)			37 (2.8)			47 (8.3)			57 (13.9)			67 (19.4)		
EDB	CFM	Capacity MBtuh		Total System KW†	Capacity MBtuh		Total System KW†	Capacity MBtuh		Total System KW†	Capacity MBtuh		Total System KW†	Capacity MBtuh		Total System KW†	Capacity MBtuh		Total System KW†	Capacity MBtuh		Total System KW†	Capacity MBtuh		Total System KW†
		Total	Integ*		Total	Integ*		Total	Integ*		Total	Integ*		Total	Integ*		Total	Integ*		Total	Integ*		Total	Integ*	
25HCR360C30 Outdoor Section With FC4DN(F,B)060 Indoor Section																									
65	1750	25.95	23.87	3.95	31.46	28.91	4.10	37.43	34.13	4.27	44.20	39.26	4.46	51.85	47.18	4.69	60.38	60.38	4.89	68.55	68.55	5.15	74.57	74.57	5.35
	2000	26.34	24.23	4.00	31.86	29.28	4.13	37.91	34.56	4.28	44.72	39.72	4.46	52.50	47.77	4.67	60.21	60.21	4.83	66.47	66.47	5.01	66.51	66.51	4.99
	2250	26.69	24.56	4.05	32.23	29.61	4.17	38.34	34.95	4.32	45.20	40.15	4.49	52.97	48.20	4.64	59.85	59.85	4.82	62.69	62.69	4.88	62.10	62.10	4.85
70	1750	25.46	23.42	4.11	31.03	28.51	4.28	36.99	33.73	4.45	43.69	38.81	4.65	51.22	46.61	4.89	59.75	59.75	5.13	68.30	68.30	5.39	74.72	74.72	5.61
	2000	25.85	23.79	4.16	31.44	28.89	4.30	37.45	34.14	4.46	44.22	39.28	4.65	51.82	47.15	4.87	60.00	60.00	5.05	67.83	67.83	5.29	68.80	68.80	5.30
	2250	26.22	24.12	4.21	31.81	29.23	4.35	37.85	34.51	4.50	44.65	39.66	4.67	52.37	47.66	4.87	59.78	59.78	5.03	64.71	64.71	5.17	64.66	64.66	5.14
75	1750	24.93	22.93	4.27	30.56	28.09	4.45	36.57	33.34	4.64	43.17	38.34	4.85	50.61	46.05	5.10	59.02	59.02	5.38	67.93	67.93	5.63	75.31	75.31	5.91
	2000	25.33	23.30	4.32	30.98	28.47	4.48	37.00	33.74	4.65	43.69	38.80	4.85	51.20	46.59	5.08	59.66	59.66	5.28	67.64	67.64	5.53	71.07	71.07	5.63
	2250	25.70	23.64	4.37	31.36	28.82	4.52	37.41	34.11	4.68	44.15	39.21	4.87	51.71	47.06	5.08	59.61	59.61	5.25	65.79	65.79	5.44	66.81	66.81	5.45

Heating Indoor Model	Capacity	Power	Furnace Model
*FC4DN(F,B)060	1.00	1.00	
FK4DNB006	0.99	0.99	
CSRH*6012A**	0.99	1.02	58CV(A,X)135−22
CAR**6024A**	0.99	1.02	58CV(A,X)155−22
CNRH*6024A**	0.98	1.03	58CV(A,X)155−22
CNRV*6024A**	0.98	1.03	58CV(A,X)155−22
CSRH*6012A**	0.99	1.02	58CV(A,X)155−22

NOTE: When the required data falls between the published data, interpolation may be performed. Extrapolation is not an acceptable practice.
* The Btuh heating capacity values shown are net integrated values from which the defrost effect has been subtracted. The Btuh heating from supplement heaters should be added to those values to obtain total system capacity.
† The kW values include the compressor, outdoor fan motor, and indoor blower motor. The kW from supplement heaters should be added to these values to obtain total system kilowatts.
EDB — Entering Dry Bulb

GUIDE SPECIFICATIONS
GENERAL

System Description

Outdoor-mounted, air-cooled, split-system heat pump unit suitable for ground or rooftop installation. Unit consists of a hermetic compressor, an air-cooled coil, propeller-type condenser fan, and a control box. Unit will discharge supply air upward as shown on contract drawings. Unit will be used in a refrigeration circuit to match up to a packaged fan coil or coil unit.

Quality Assurance

— Unit will be rated in accordance with the latest edition of ARI Standard 240.
— Unit will be certified for capacity and efficiency, and listed in the latest ARI directory.
— Unit construction will comply with latest edition of ANSI/ ASHRAE and with NEC.
— Unit will be constructed in accordance with UL standards and will carry the UL label of approval. Unit will have C-UL approval.
— Unit cabinet will be capable of withstanding Federal Test Method Standard No. 141 (Method 6061) 500-hr salt spray test.
— Air-cooled condenser coils will be leak tested at 217 psig and pressure tested at 450 psig.
— Unit constructed in ISO9001 approved facility.

Delivery, Storage, and Handling

— Unit will be shipped as single package only and is stored and handled per unit manufacturer's recommendations.

Warranty (for inclusion by specifying engineer)

— U.S. and Canada only.

PRODUCTS

Equipment

— Factory assembled, single piece, air-cooled heat pump unit. Contained within the unit enclosure is all factory wiring, piping, controls, compressor, refrigerant charge (R-22), and special features required prior to field start-up.

Unit Cabinet

— Unit cabinet will be constructed of galvanized steel, bonderized, and coated with a powder coat paint.

Fans

— Condenser fan will be direct-drive propeller type, discharging air upward.
— Condenser fan motors will be totally enclosed, 1-phase type with class B insulation and permanently lubricated bearings.
— Shafts will be corrosion resistant.
— Fan blades will be statically and dynamically balanced.
— Condenser fan openings will be equipped with steel wire safety guards.
— Defrost control board which incorporates defrost relay, defrost timer and low voltage terminal board.

Compressor

— Compressor will be hermetically sealed.
— Compressor will be mounted on rubber vibration isolators.

Condenser Coil

— Condenser coil will be air cooled.
— Coil will be constructed of aluminum finstock with a resin-based epoxy-phenolic thermoset coating, factory applied by precoating and baking on both sides. The fins are mechanically bonded to copper tubes which are then cleaned, dehydrated, and sealed.

Refrigeration Components

— Refrigeration circuit components will include liquid-line shutoff valve with sweat connections, vapor-line shutoff valve with sweat connections, system charge of refrigerant, compressor oil, accumulator, loss of charge switch, and reversing valve.

Operating Characteristics

— The capacity of the unit will meet or exceed _____ Btuh at a suction temperature of _____ °F/°C. The power consumption at full load will not exceed _____ kW.
— Combination of the unit and the evaporator or fan coil unit will have a total net cooling capacity of _____ Btuh or greater at conditions of _____ CFM entering air temperature at the evaporator at _____ °F/°C wet bulb and _____ °F/°C dry bulb, and air entering the unit at _____ °F/°C.
— The system will have a SEER of _____ Btuh/watt or greater at DOE conditions.

Electrical Requirements

— Nominal unit electrical characteristics will be _____ v, single phase, 60 hz. The unit will be capable of satisfactory operation within voltage limits of _____ v to _____ v.
— Unit electrical power will be single point connection.
— Control circuit will be 24v.

Special Features

— Refer to section of this literature identifying accessories and descriptions for specific features and available enhancements.

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Manufacturer reserves the right to change, at any time, specifications and designs without notice and without obligations. Replaces: 25HCR3C−1PD